

ROLLABOUT PACKAGE

# **PCS-3000** **PCS-3000P**

ROLLABOUT PROCESSOR

## **PCS-P300/P300P**

CAMERA UNIT

## **PCS-C300/C300P**

MICROPHONE

## **PCS-A300**

REMOTE COMMANDER

## **PCS-R500**

1BRI BOARD

## **PCS-I300**

CABINET

## **PCS-F500**

KEY COMMANDER

## **PCS-R510**

T.120 CARD

## **PCS-UC300**

V.35 BOARD

## **PCS-I500**

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# **SERVICE MANUAL**

1st Edition

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## **SUPPLEMENT-1**

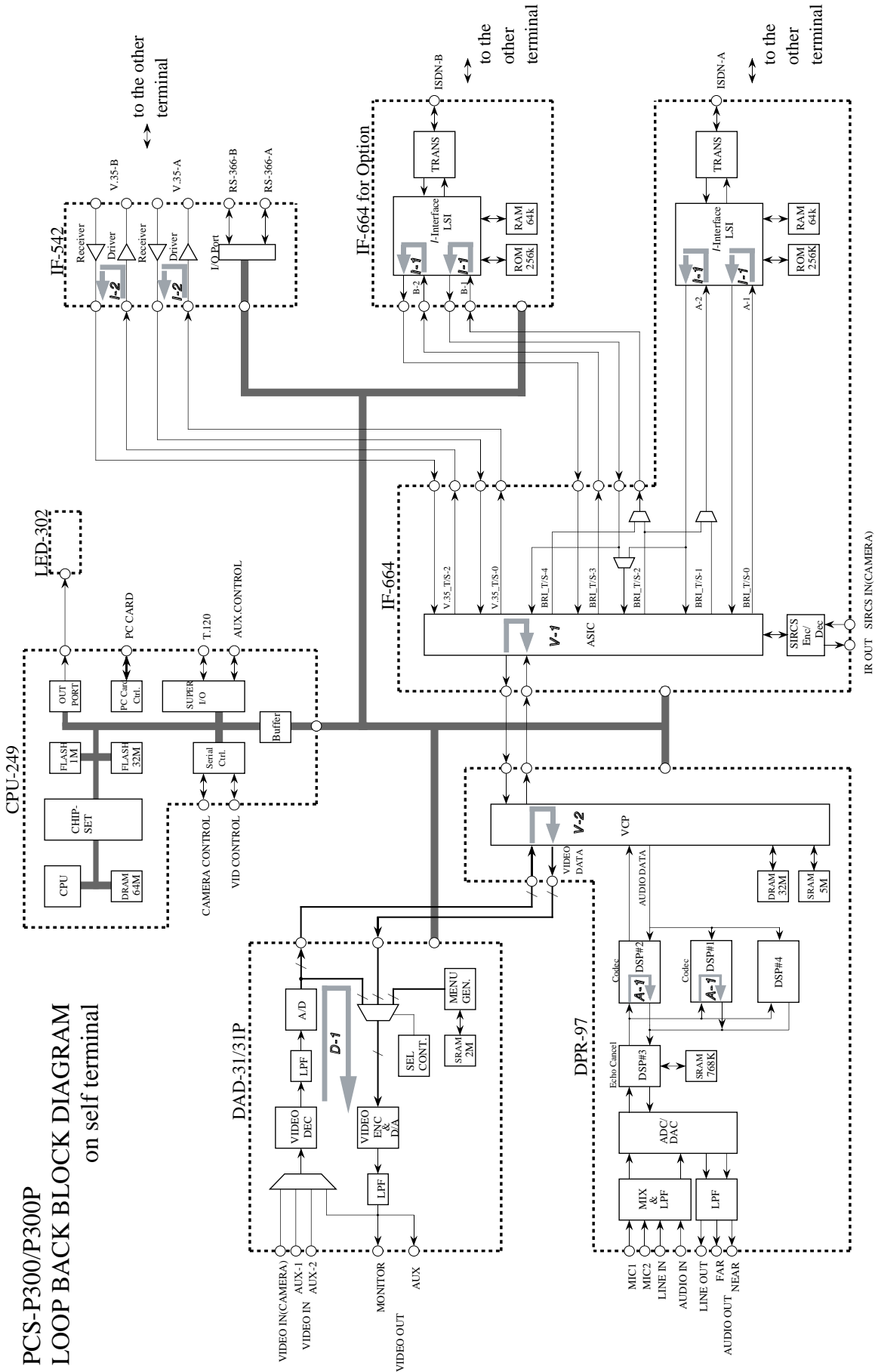
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Please add or replace the following manual with this  
SUPPLEMENT-1.

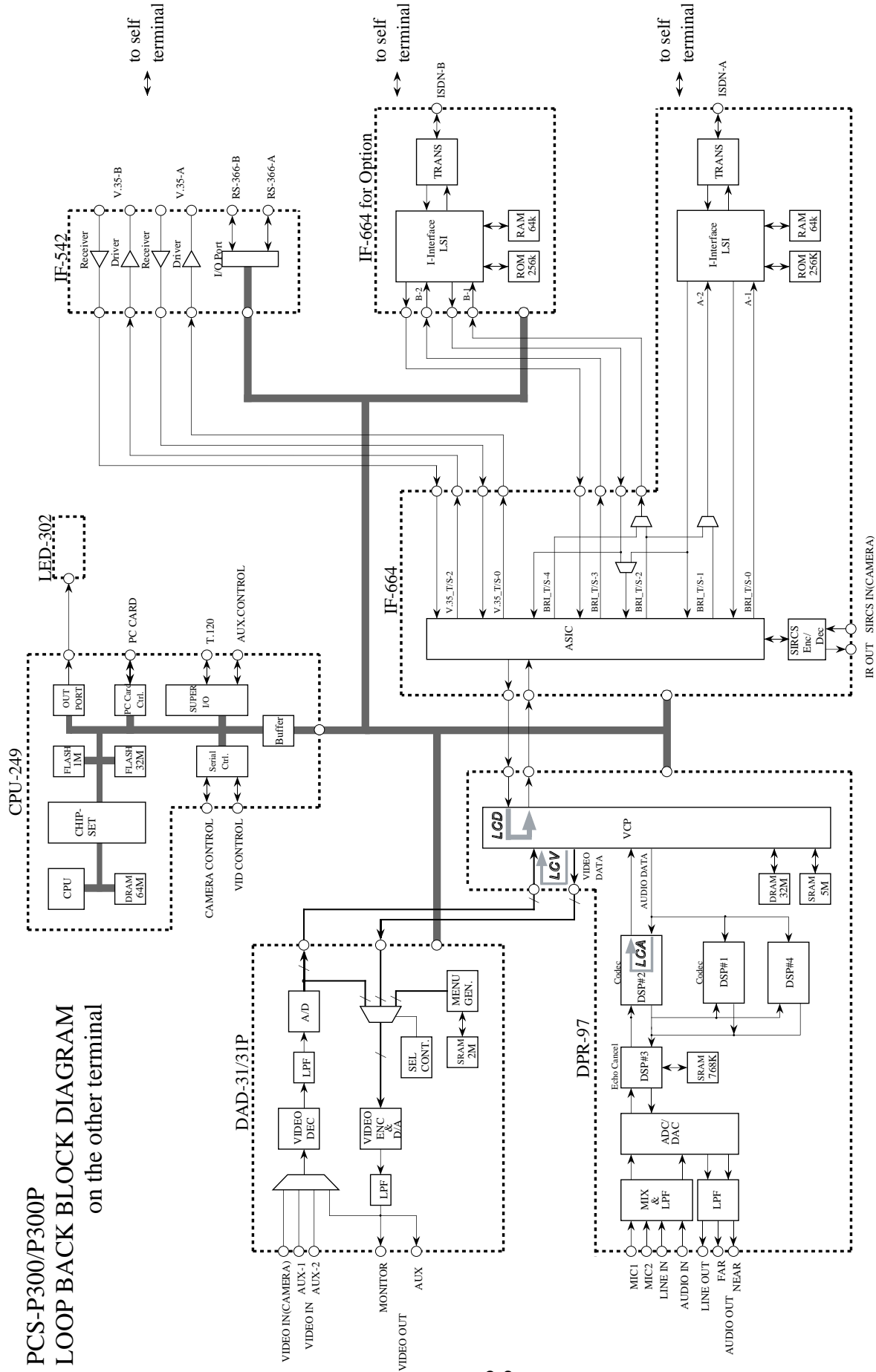
1. PCS-5000/5000P SYSTEM SERVICE MANUAL 1st Edition  
Part number : 9-977-634-01
2. PCS-P500/P500P SERVICE MANUAL Volume 1 1st Edition  
Part number : 9-977-640-11
3. PCS-P500/P500P SERVICE MANUAL Volume 2 1st Edition  
Part number : 9-977-640-21
4. PCS-5100/5100P SERVICE MANUAL 1st Edition  
Part number : 9-955-121-01

#### SUBJECT

1. PCS-5000/5000P SYSTEM SERVICE MANUAL  
SECTION 3. TROUBLESHOOTING  
(Pages 3-23 and 3-24)  
SECTION 4. PCS-5100/5100P SYSTEM CIRCUIT  
(Pages 4-1 through 4-4)
2. PCS-P500/P500P SERVICE MANUAL Volume 1 and  
PCS-5100/5100P SERVICE MANUAL  
TABLE OF CONTENTS  
(Pages 1 and 2)  
SECTION 2. SERVICE OVERVIEW  
(Pages 2-10 and 2-10-1)  
SECTION 3. CIRCUIT DESCRIPTIONS AND  
TROUBLESHOOTING  
(Pages 3-17 through 3-28, 3-37 through  
3-53, 3-57 through 3-68, 3-71 through  
3-76, 3-107 through 3-154)  
SECTION 4. ELECTRICAL ALIGNMENT  
(Pages 4-21 through 4-25)
3. PCS-P500/P500P SERVICE MANUAL Volume 2 and  
PCS-5100/5100P SERVICE MANUAL  
TABLE OF CONTENTS  
(Page 1)  
SECTION 6. SCHEMATIC DIAGRAMS AND  
BOARD LAYOUTS  
(Pages 6-1, 6-2(a) through 6-7(a),  
6-14(a) through 6-23(a), 6-72(a) through  
6-87(a), 6-90(a) through 6-95(a), 6-98(a)  
through 6-104(a), 6-108(a) through  
6-113(a), 6-116(a) through 6-127-2(a),  
6-136(a) through 6-139(a), 6-142  
through 6-159)  
SECTION 7. SPARE PARTS  
(Pages 7-53 through 7-88)



PCS-P300/P300P Block Diagram



PCS-P300/P300P Block Diagram

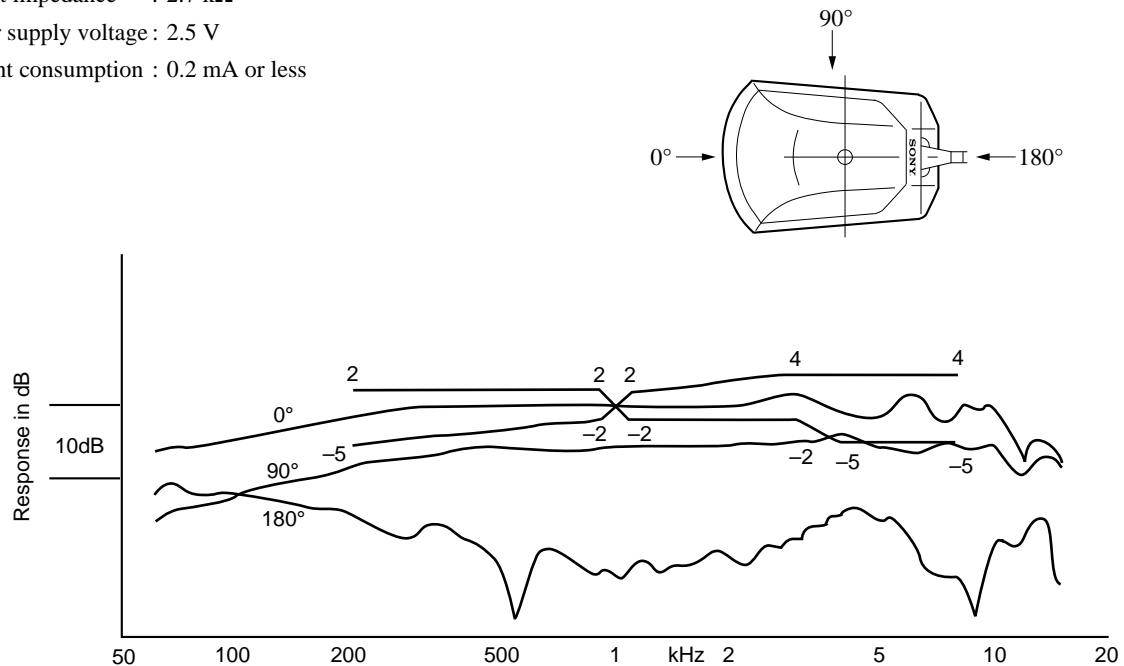
#### 4-1-3. MICROPHONE (PCS-A300)

The microphone is the back-electret condenser type boundary microphone.

The main specifications are as follows:

Sensitivity :  $-35.5 \pm 3\text{dB}$   
S/N : 64 dB or more  
Output impedance :  $2.7\text{ k}\Omega$   
Power supply voltage : 2.5 V  
Current consumption : 0.2 mA or less

Frequency response characteristics and directivity.

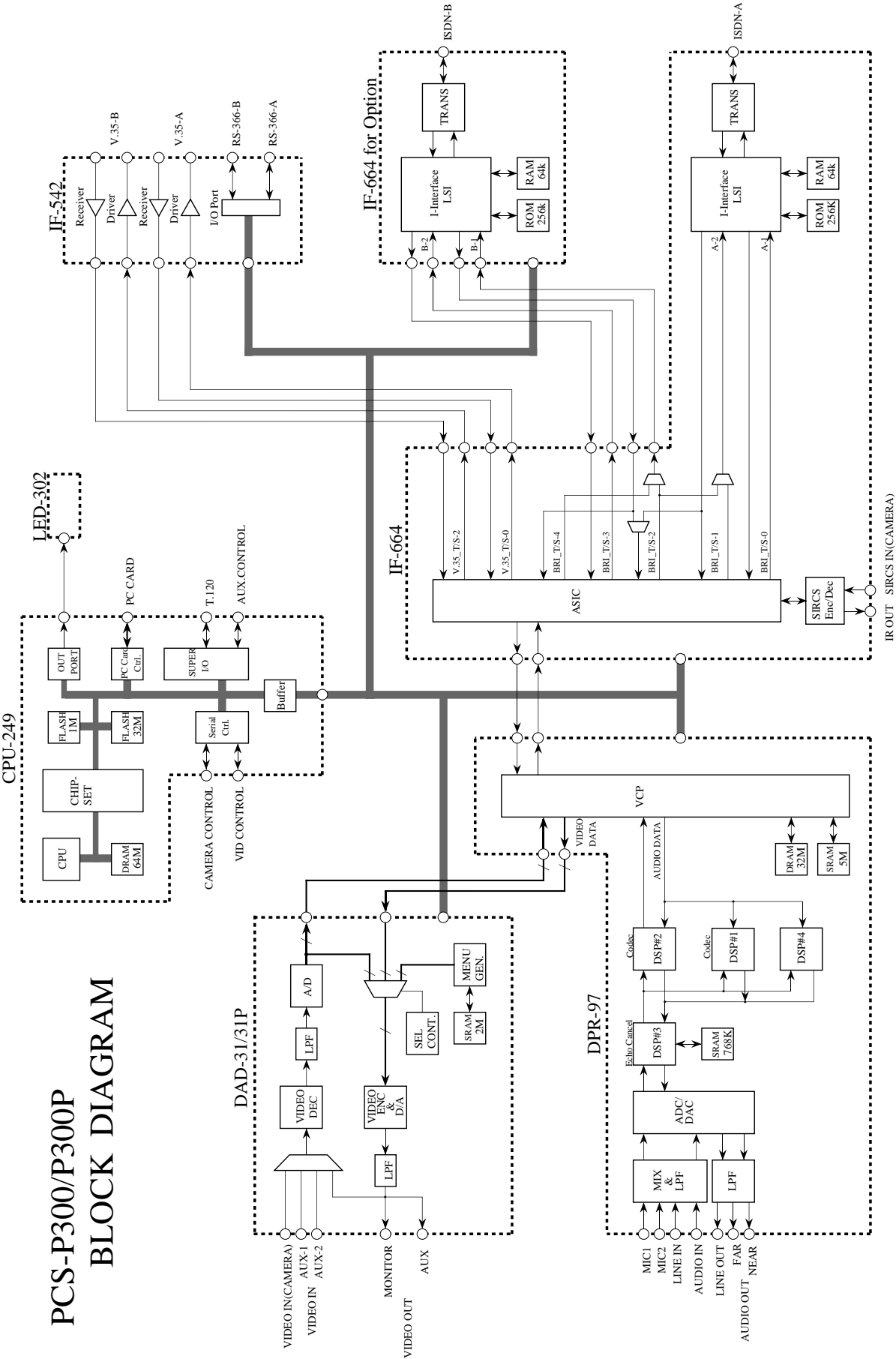


#### 4-1-4. REMOTE COMMANDER (PCS-R500)

This is the remote commander exclusive for the PCS series product.

#### 4-1-5. KEY COMMANDER (PCS-R510)

This is the remote commander exclusive for the PCS series product.



PCS-P300/P300P Block Diagram

### 3-3. DPR-97 BOARD

#### 3-3-1. Outline of DPR-97 Board Operation

##### 3-3-1-1. Outline

DPR-97 board has the functions of acoustic echo cancelling, compression (encode) and decompression (decode) of audio data (G.711, G.722 and G.728), compression (encode) and decompression (decode) of video data (H.261), and multiplexing and demultiplexing of various data (H.221).

Function blocks inside DPR-97 board and connection with other boards are shown Fig. 3-3-1.

As shown in Fig. 3-3-1, the video data input from DAD-31/31P board is compressed, encoded, multiplexed with other data (includes audio data) and sent to the IF-664 board. The audio signal input from MIC or LINE-IN terminal is converted to digital signal, used for the process of echo cancelling, compressed, and multiplexed with encoded video data and other data.

The received data from IF-664 board is demultiplexed to video, audio and other data. The video data is decoded and sent to DAD-31/31P board. The audio data is decoded, processed for echo cancelling and converted to analog signal.

The other demultiplexed data is sent to CPU-249 board via host bus interface.

These all functions are divided into two major blocks, Audio block and VCP block.

The following description is written each major block.

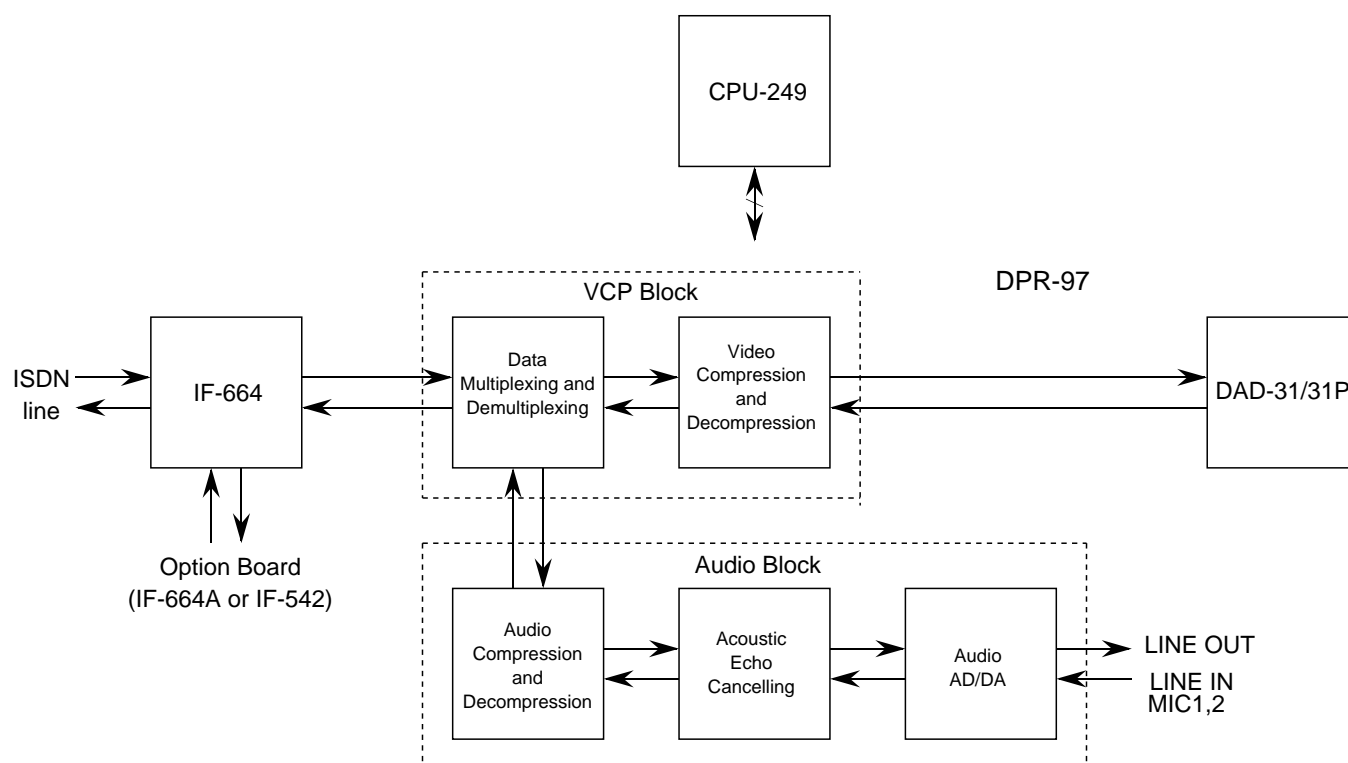


Fig. 3-3-1. Function Blocks and Connection with Other Boards of DPR-97 Board

### 3-3-1-2. Outline of VCP Block Operation

The VCP block performs multiplexing and demultiplexing of various data (H.221), and compression (encode) and decompression (decode) of video data (H.261).

The VCP block consists of the following groups.

#### 1. VCP and Memories

The H.221 and H.261 function are performed by the VCP chip according to software code which is downloaded from CPU-249 board via the host interface. The software code is stored into four 1Mbit-SRAMs and the four 256 kbit-SRAMs. These SRAMs are used to preserve the H.221 data for its process and synchronizing all network channels. The video data which are processed by the H.261 function are preserved two 16Mbit-DRAMs.

The interface to IF-664 board is a synchronous serial port, it's named TDM-interface. The interface for audio data is also a synchronous serial port. The video data are sent and received via two pair of parallel ports. These ports are input and output ports, and each ports consist of two 8bit-port for Y-signal and UV-signal.

The host interface is used for setting and reading the internal port, downloading program, and input and output of data which are processed by the H.221 function such as LSD, MLP. The interrupt is assigned at IRQ11. The DMA channel for reading from VCP is Ch.6, and for writing to VCP is Ch.5.

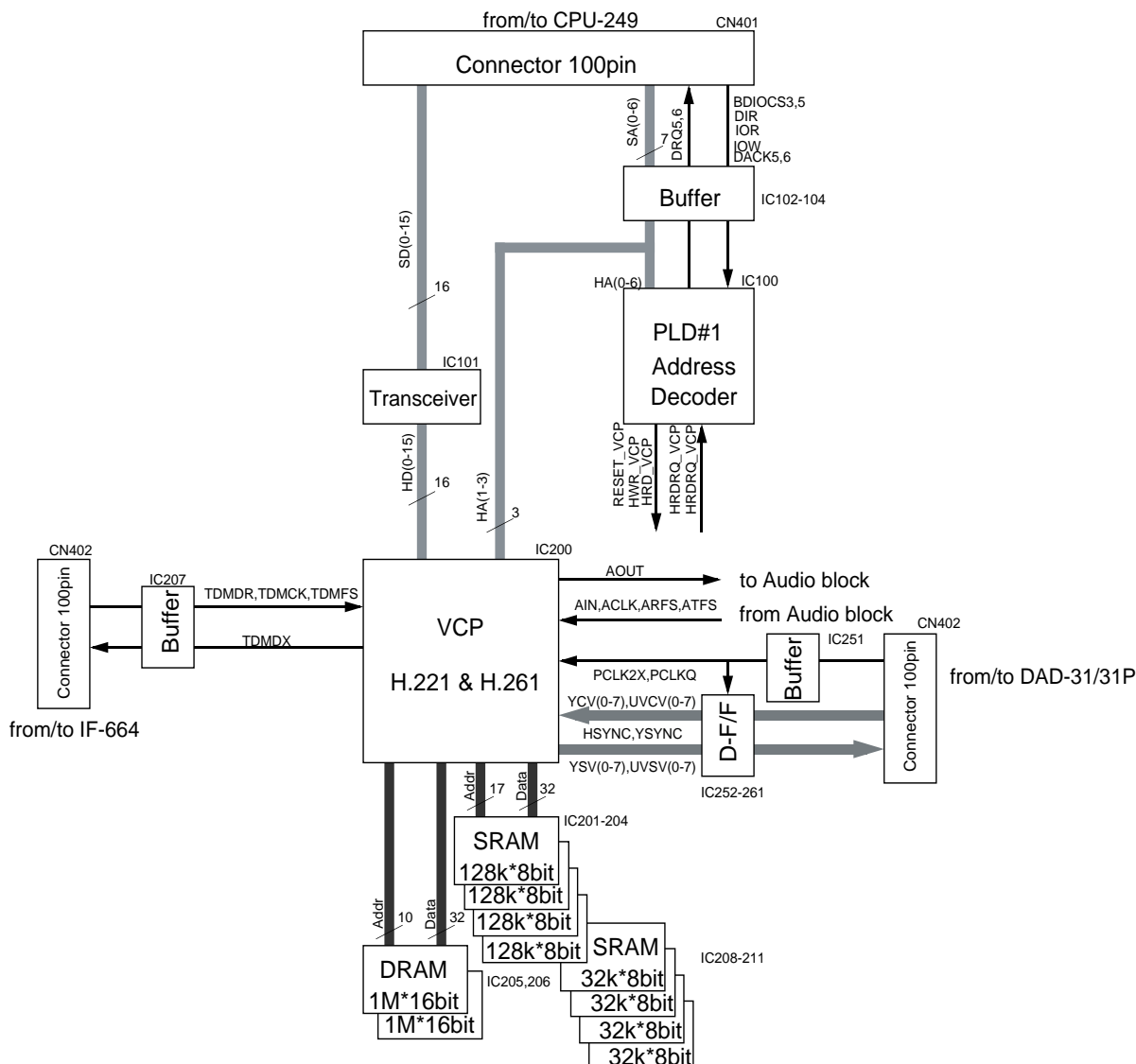


Fig. 3-3-2. Block Diagram of VCP block



## 2. Video Signal Timing Adjuster

This block had the function of timing adjustment of video data buses between VCP and DAD-31/31P board. These video data buses consist of pixel clock, sync, 8bit-Y and 8bit-UV signals. The signals input to VCP are named CAM (Camera), and output from VCP are named SCN (Screen). Both of pixel clocks are output from DAD-31/31P board. The other CAM-signals are output from DAD-31/31P board, and SCN-signals are output from VCP. All signals of each direction are sincronized with each pixel clock, and the pixel clocks are used for latching many signals in this block.

The loopback circuits for returning the SCN-signals to the CAM-signals are included in this block.

## 3. CPU interface

This is the bus interface with CPU-249 board. This block consists of data-bus transceiver, buffers, address, decoder and DMA-cycle control signal generator, and so on. All fuctional circuits are written into the PLD (IC100). The reset signal for VCP is also generated by IC100. The selector (IC103) is used to fix HA1-4 to '0' for accessing the DMA-port of VCP during the DMA cycle.

I/O-map VCP-block

I/O Address	Read/Write	Function
310h	R/W	Host Dma Port of VCP
312h	R/W	Host Vcx Port of VCP
314h	R/W	Host Dbg Port of VCP
316h	R/W	VCP control
318h	R/W	VCP Mask
31ah	Read	VCP Status request
31ch	Write	Video Loopback: 01h ; loopback, 00h ; clear
31eh	Write	Reset VCP: 01h ; reset, 00h ; clear resetting

### 3-3-1-3. OUTLINE OF AUDIO BLOCK OPERATION

The audio block sends and receives the audio data and the audio mode to and from the VCP chip, encodes and decodes the audio data, processes the audio data for echo canceling and performs the AD/DA conversions.

The audio block is divided into the following groups.

#### 1. Audio Codec 1

Outline of function:

The audio codec 1 has function of the point-to-point codec. It consists of one audio encoder and one audio decoder. Both of them support G.711, G.722 and G.728 respectively. When the audio codec 1 is used in the point-to-point connection, it encodes the transmitting audio signal from this terminal and sends the encoded audio data to the VCP block. When this terminal receives the encoded audio signal from other terminal, it receives the encoded audio data from the VCP block, decodes the received signal and sends it to the echo canceller.

When the audio codec 1 is used in the multi-point connection, it encodes the transmitting audio signal from this terminal and sends the encoded audio data to the VCP block. When this terminal receives the encoded audio signal from other terminal, it receives the data from the VCP block, decodes the received signal, multiplexes it with the decoded data that is supplied from other audio codec and sends the multiplexed signal to the echo canceller.

The audio codec 1 has the other audio codec functions such as DTMF signal generation and sampling speed conversion.

Main parts:

DSP#1 (IC310) : Codec processor



#### 2. Audio Codec 2

Outline of function:

The audio codec 2 functions only in the multi-point connection configuration.

When the audio codec 2 used in the multi-point connection configuration, it performs the same function as that of audio codec 1.

If IC330 is not mounted on the audio codec 2, IC320 performs the function of audio codec 2 and audio codec 3 (IC320 has the audio codec function in this connection.)

Main parts:

DSP#2 (IC320) : Codec processor

#### 3. Audio Codec 3

Outline of function:

The audio codec 3 functions only in the multi-point connection configuration in the same manner as the audio codec 1.

Main parts:

DSP#2 (IC320) : Codec processor (When IC330 is not mounted)

DSP#4 (IC330) : Codec processor (When IC330 is mounted)

#### 4. Echo Canceller (acoustic echo canceling block)

Outline of function:

The echo cancellor removes the acoustic echo from the microphone input (and LINE IN) signal, then selects the input signal from the AUDIO IN (AUX) as requested by user and sends the selected signal to the audio codec in the other end in the point-to-point codec connection.

When echo cancellor is used in the multi-point connection, the signal that is decoded by the audio codec is mixed in this block. When necessary, the automatic audio detection is performed to detect from which terminal the audio signal is generated. The send signal is distributed to the respective audio codecs for coding. The audio delay (lip-sync delay) is inserted here in order to synchronize the send audio data with the send video data.

Main parts:

DSP#3 (IC340) : Echo cancellor

SRAM (IC341, IC342, IC343) : External memory for DSP#3 data processing

#### 5. AD/DA Conversion

Outline of function:

This is the analog/digital signal converter which is placed between the analog process block and the acoustic echo process block.

2 channels of AD conversion (MIC and LINE IN are common. AUDIO IN AUX)

2 channels of DA conversion (LINE OUT and AUDIO OUT (FAR) are common. AUDIO OUT (NEAR))

Main parts:

ADC/DAC (IC400) : AD/DA converter

#### 6. CPU Interface

Outline of function:

The CPU interface block has the functions such as downloading, self-diagnostics, DSP operation control, DSP status monitoring and analog mute control for the DSPs #1 to #4 and for the peripheral circuits using the 8-bit parallel bus.

Main parts:

PLD#1 (IC100) : Address decoder

Transceiver (IC101) : Data bus transceiver

#### 7. Timing Generator

Outline of function:

The timing generator generates the various timing signals such as clock for the serial data between AD/DA and DSPs, and sync signals. It also generates the timing signals for the DSPs #1 to #4.

Main parts:

PLD#2 (IC370) : Timing generator

PLL (IC371) : Reference signal (8.192 MHz) generator

#### 8. Analog processing block

Outline of function:

The analog processing block shifts the audio signal (LINE level and MIC level) level to match the audio level with the AD/DA converter of IC400. The audio mute is controlled by the CPU.

Main parts:

OP amplifier (IC404, IC405) : Gain setting of the send audio signal

OP amplifier (IC406) : Gain setting of the received audio signal

## 10 (PCS-3000/3000P·E)

### I/O-map of Audio-block

I/O Address	Read/Write	Function
180h, 182h		
190h, 192h	R/W	Writed data can be readed for checking I/O access
1B0h, 1B2h		
184h	R/W	Reset DSP#1, 2, 4 : 00h ; reset, 01h ; clear resetting
194h	R/W	Reset DSP#3, ADC/DAC : 00h ; reset, 01h ; clear resetting
1b6h	R/W	Analog Mute : 00h ; mute, 01h ; clear mute

I/O Address			Read/Write	Function
DSP#1	DSP#2	DSP#4		
180h	190h	1B0h	Write	HostData (HDT) (L)
182h	192h	1B2h	Write	HostData (HDT) (H)
188h	198h	1B8h	Read	HostData (HDT) (L)
18ah	19ah	1BAh	Read	HostData (HDT) (H)
18ch	19ch	1BCh	Read	HostStatus (HST)(L)
18eh	19eh	1BEh	Read	HostStatus (HST) (H)

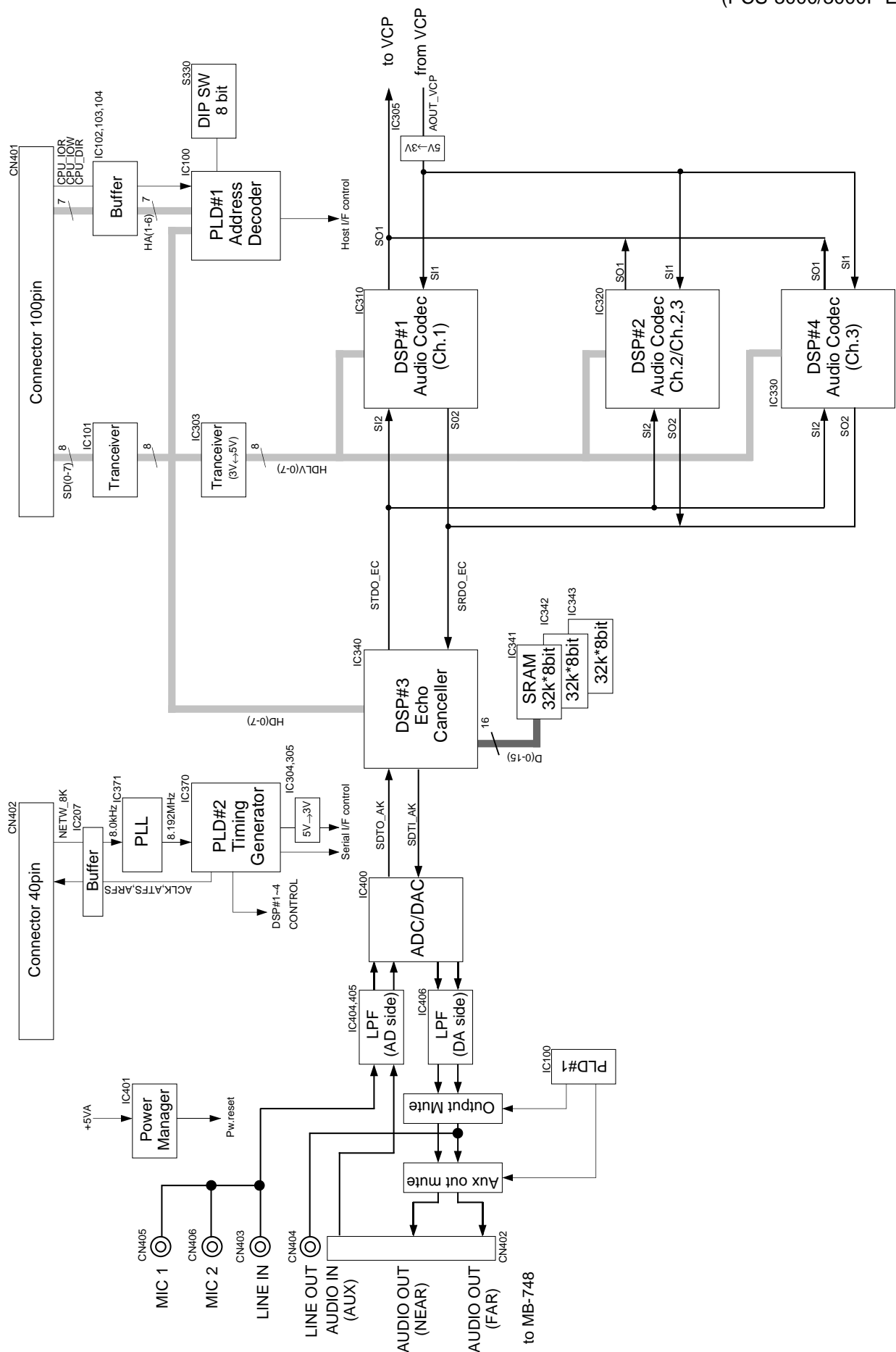


Fig. 3-3-3. Block Diagram of Audio-block

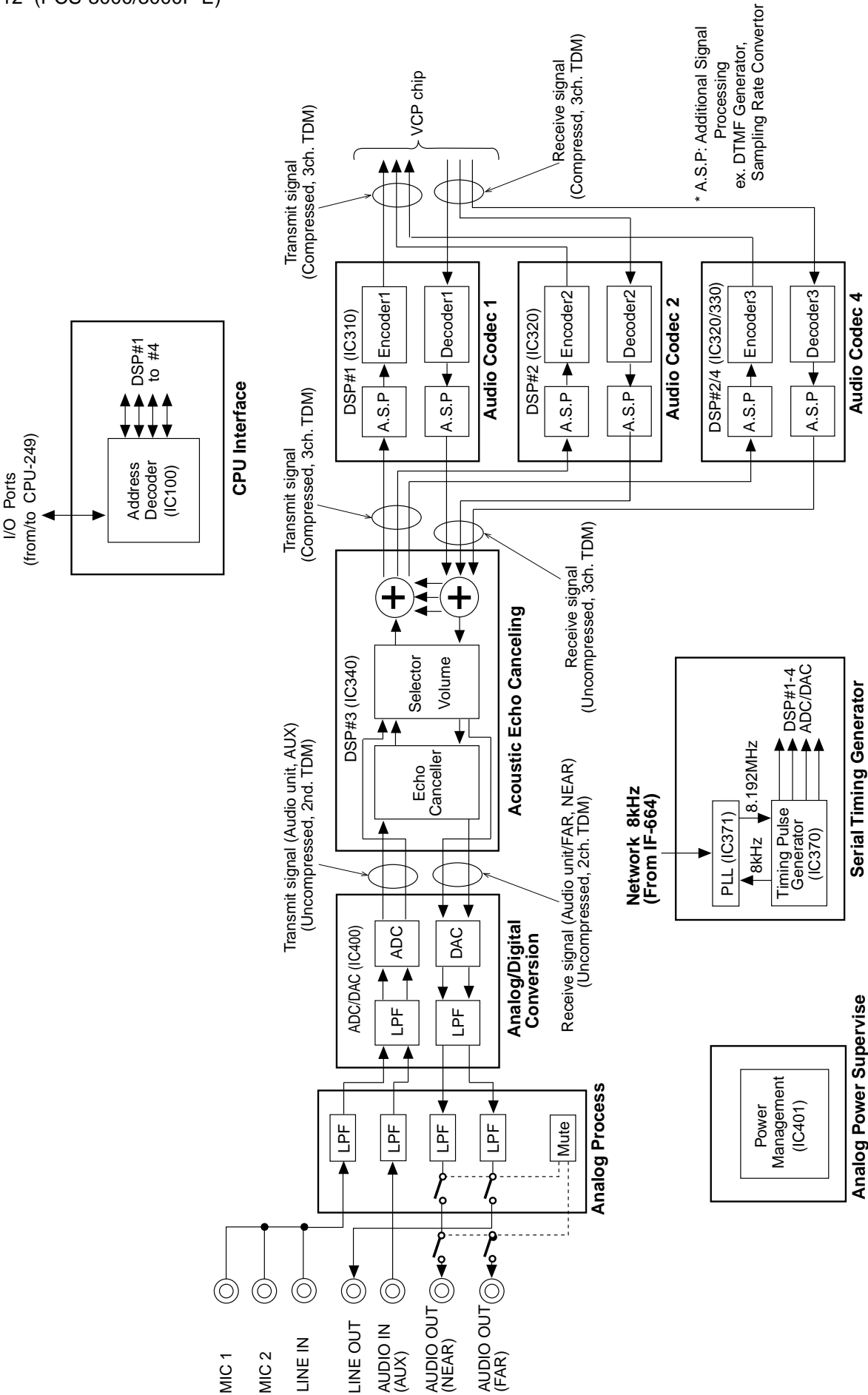


Fig. 3-3-4. DPR-97 BOARD Signal Flow

### 3-3-2. DPR-97 board Troubleshooting

When an error occurs in the DPR-97 board, use the flow chart as shown to locate the cause of trouble.

#### [Equipment required]

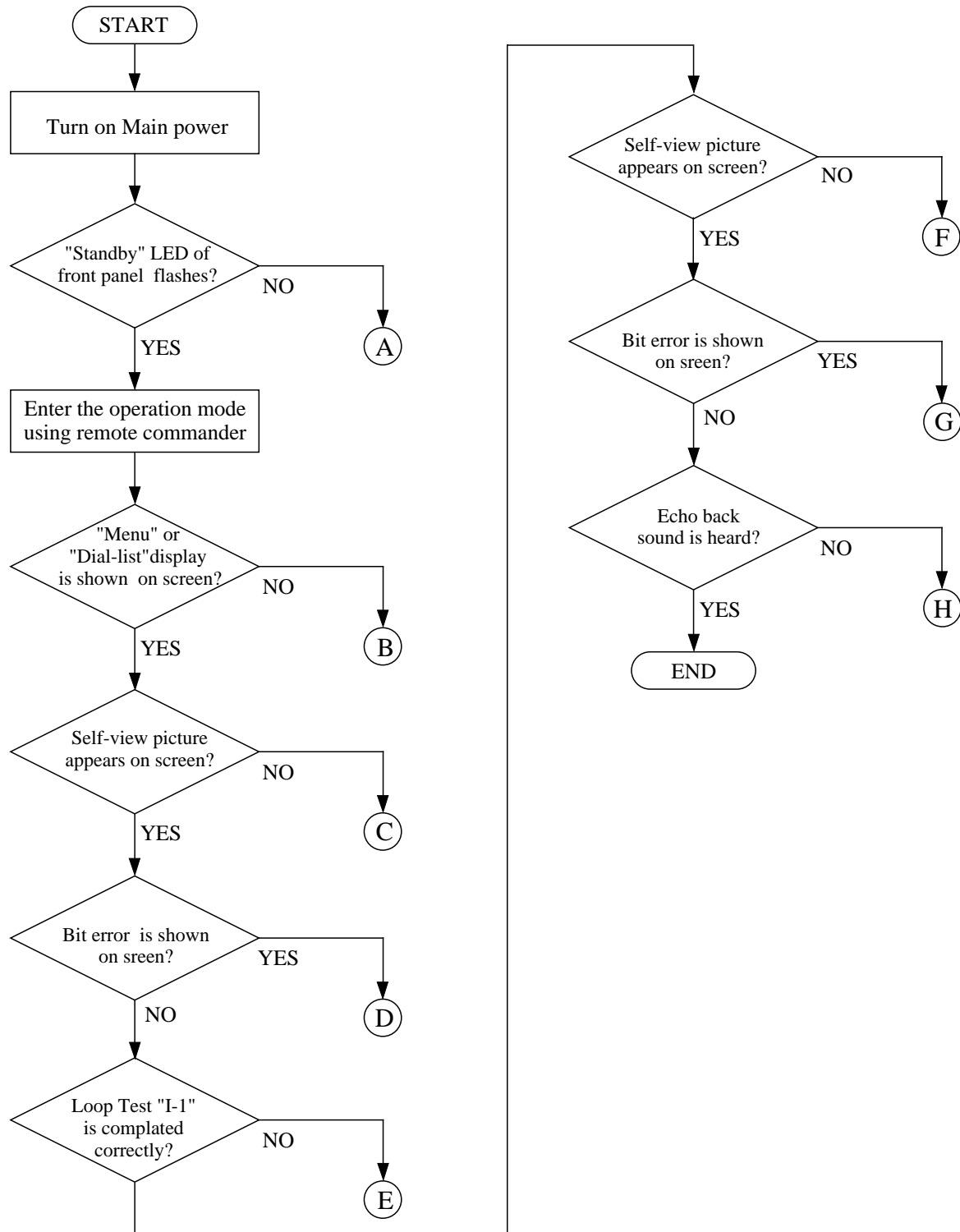
- PCS-3000/3000P system
  - （ Rollabout processor (PCS-P300/P300P)  
Camera unit (PCS-C300/C300P)  
Remote commander (PCS-R500) ）
- Oscilloscope
- Video monitor
- Camera unit connection cable (supplied accessory)

#### [Service tools]

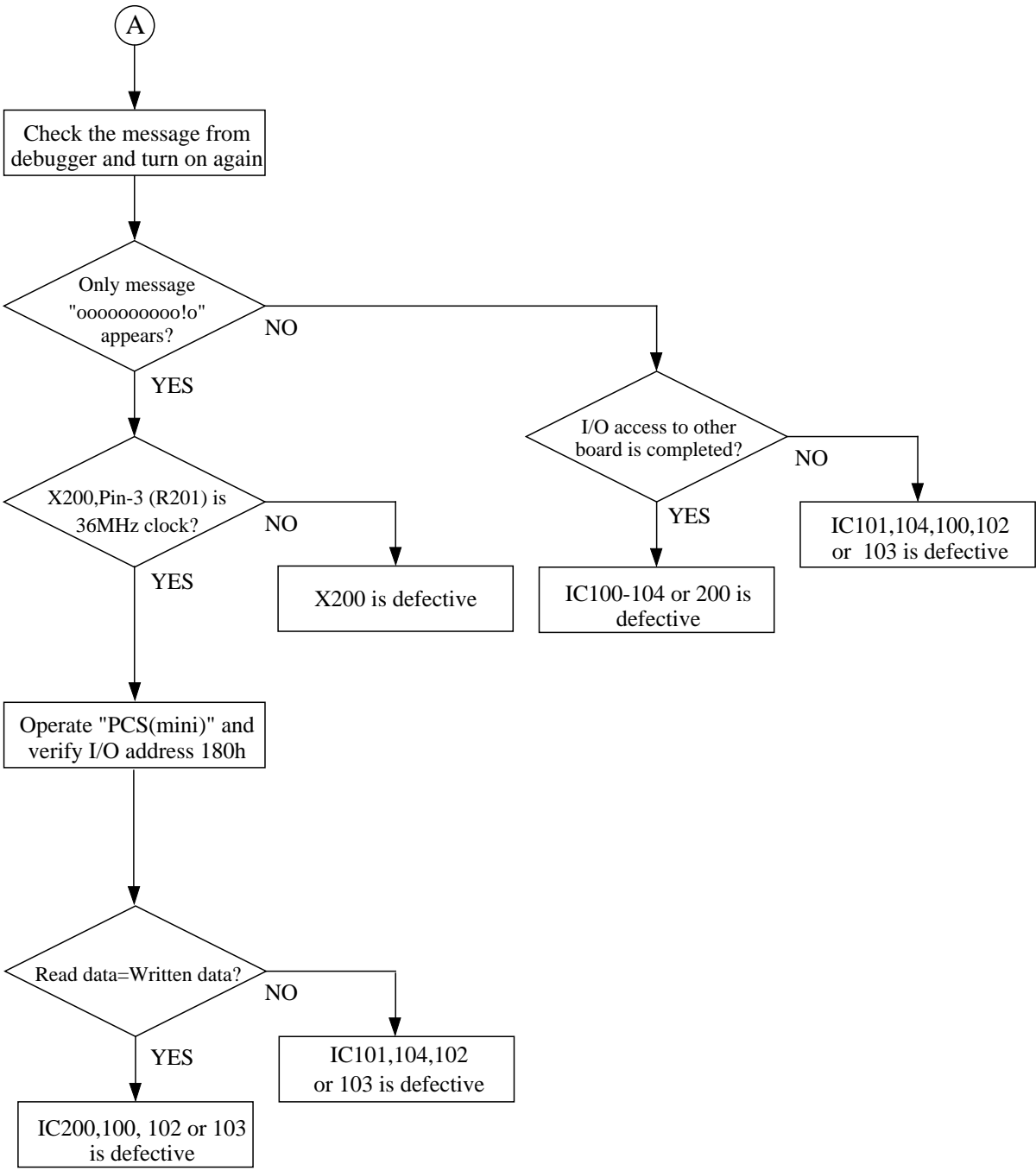
- Extension board (Sony part number: J-6389-620-A)
- RS-232C terminal (PC/AT compatible machine with communication software “CCT”)
- RS-232C cross cable
- Pin plug cord
- S cable

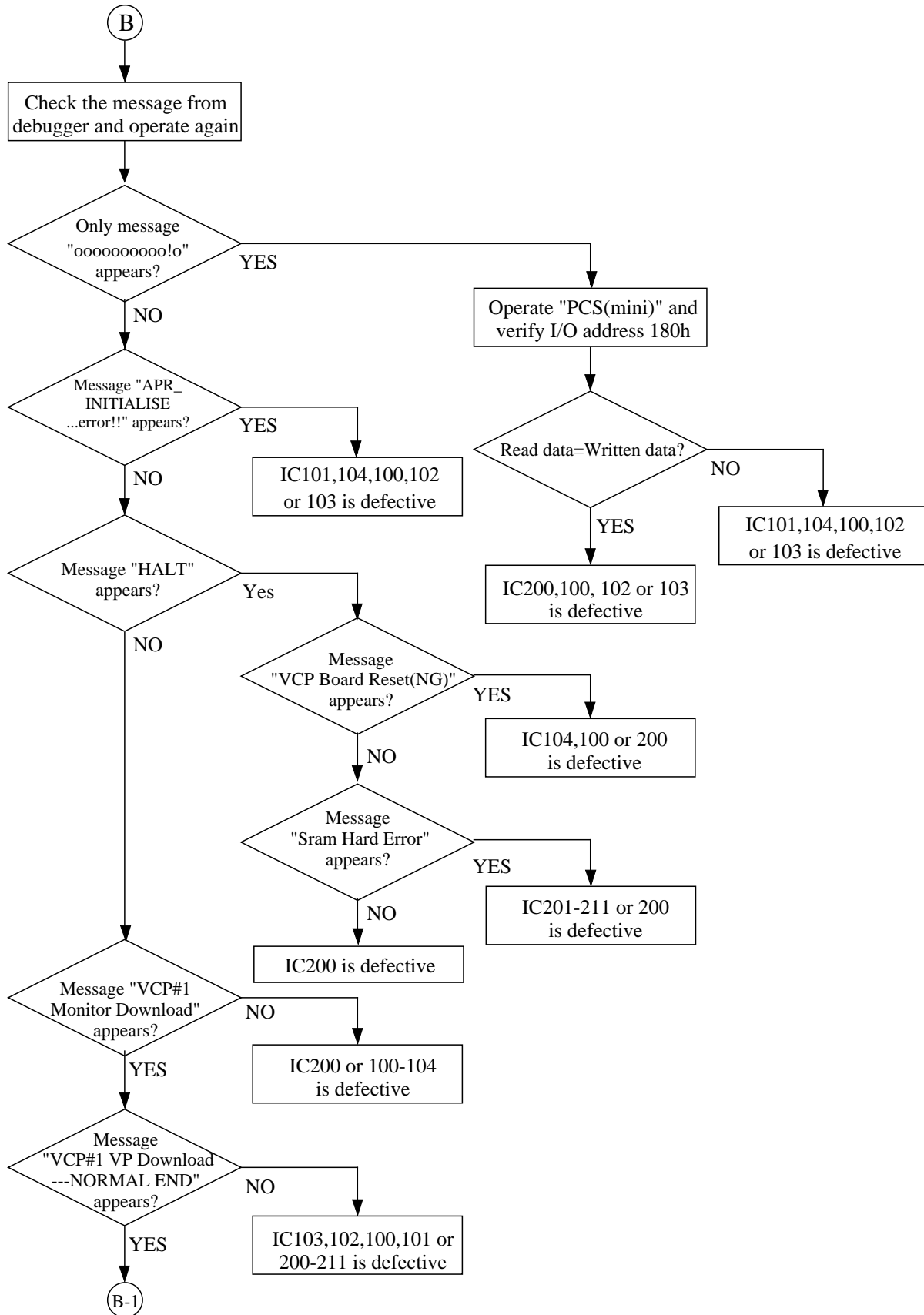
#### [Preparation]

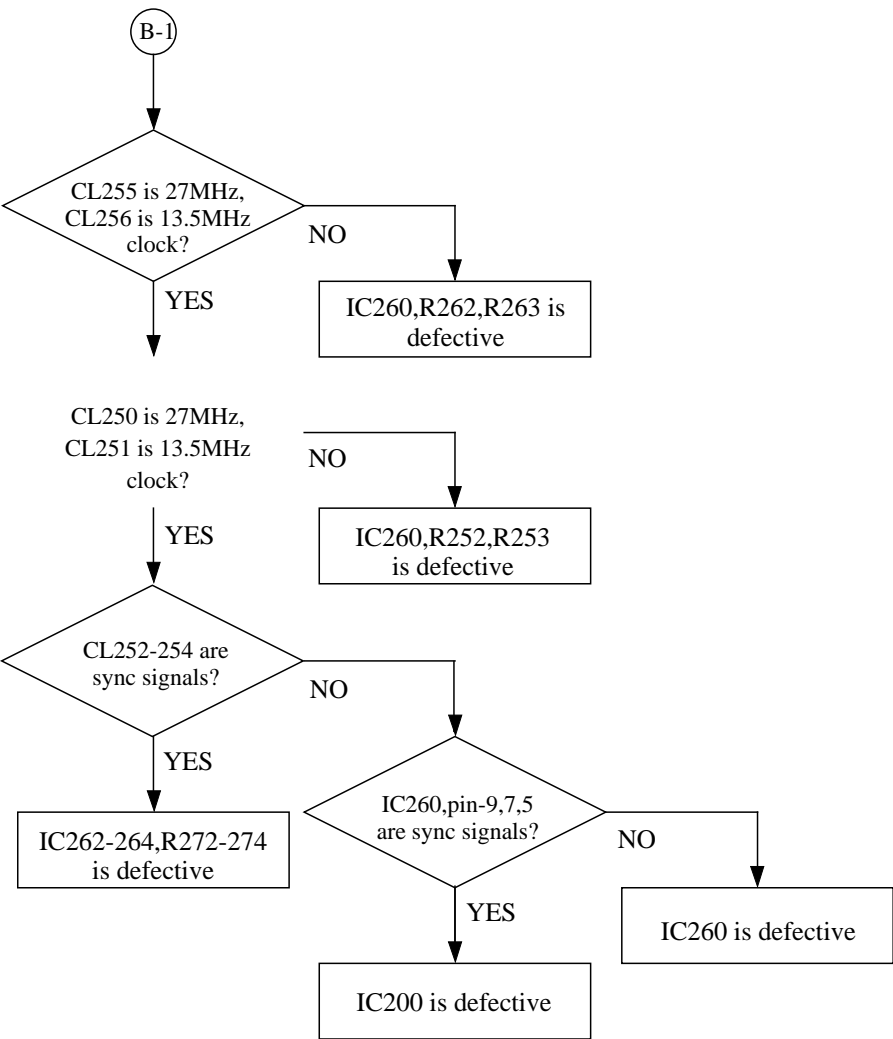
- 1) Set up the PCS-3000/3000P system to the normal operating condition.
- 2) Insert the extension board to the slot of DPR-97 board.
- 3) Insert the DPR-97 board to the extension board.
- 4) Connect the RS-232C terminal (to be abbreviated simply as terminal hereafter) to the AUX CONTROL terminal of the rollabout processor (PCS-P300/P300P).
- 5) Start up the communication software “CCT” which is installed in the terminal. Turn on the main power of the PCS-3000/3000P system (enter the debug mode).
- 6) Turn on the main power from the remote commander (PCS-R500).

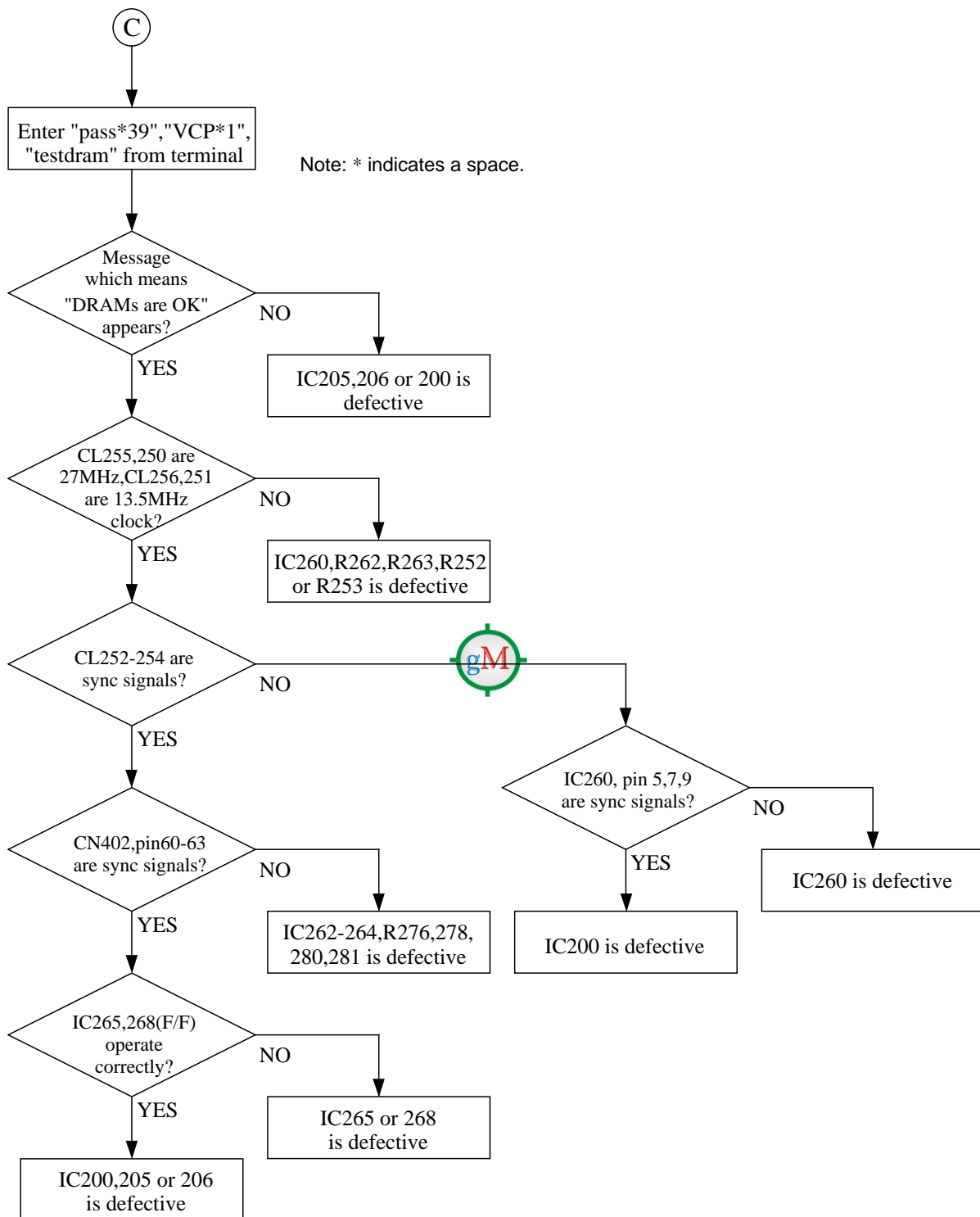
**[Flowchart]****DPR-97 board troubleshooting**

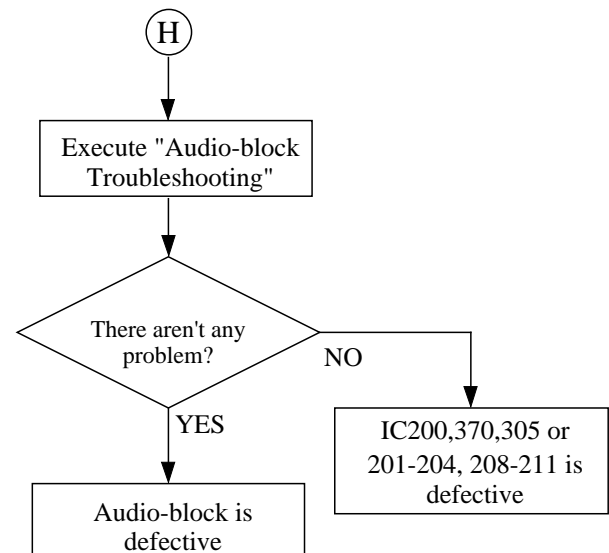
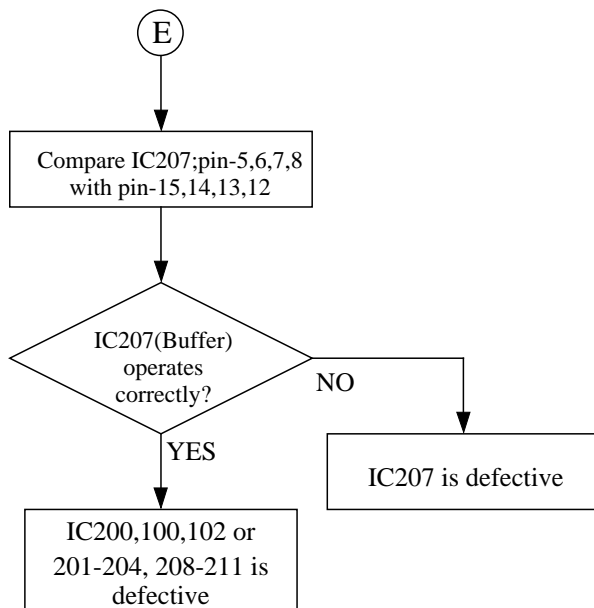
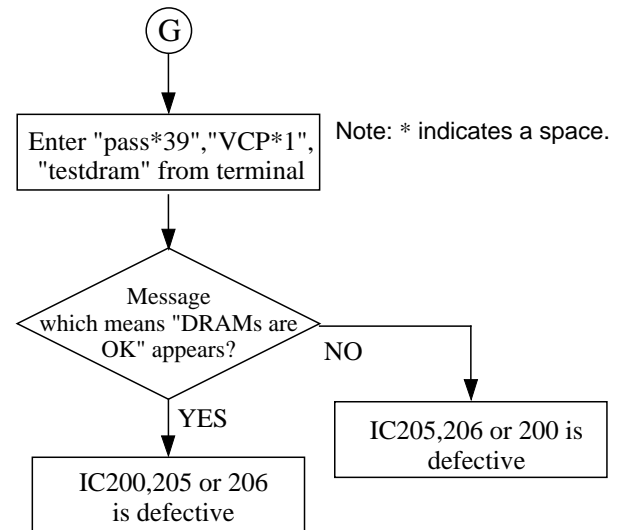
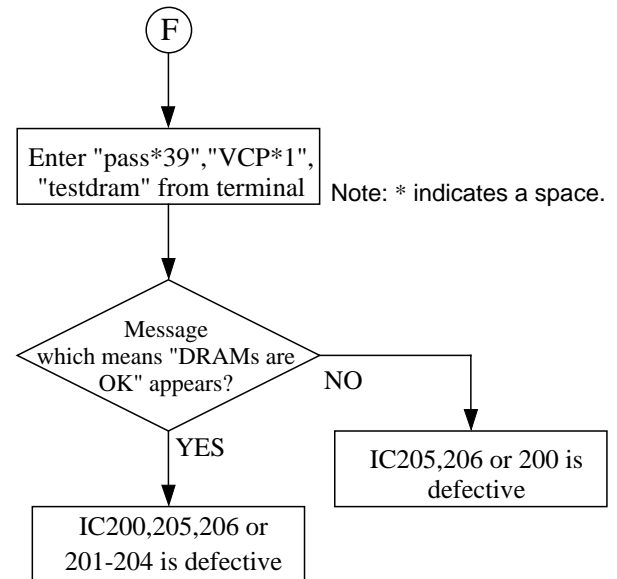
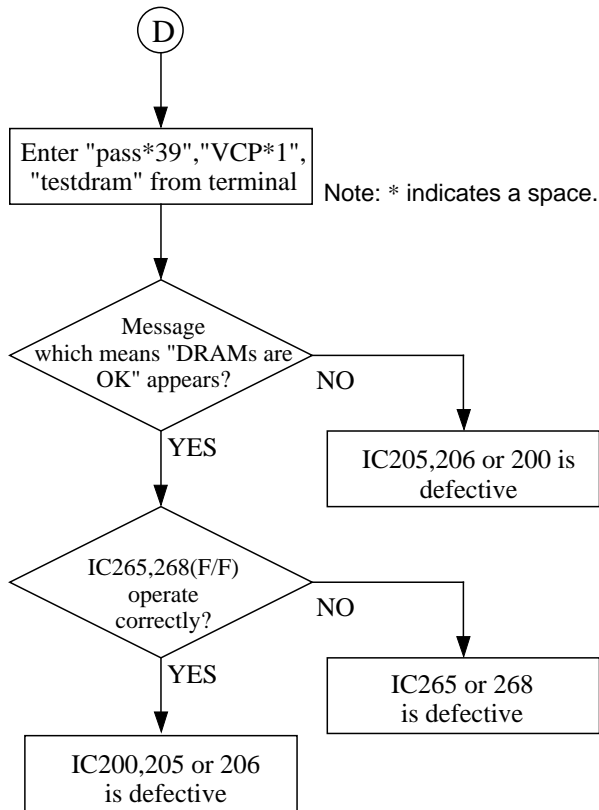


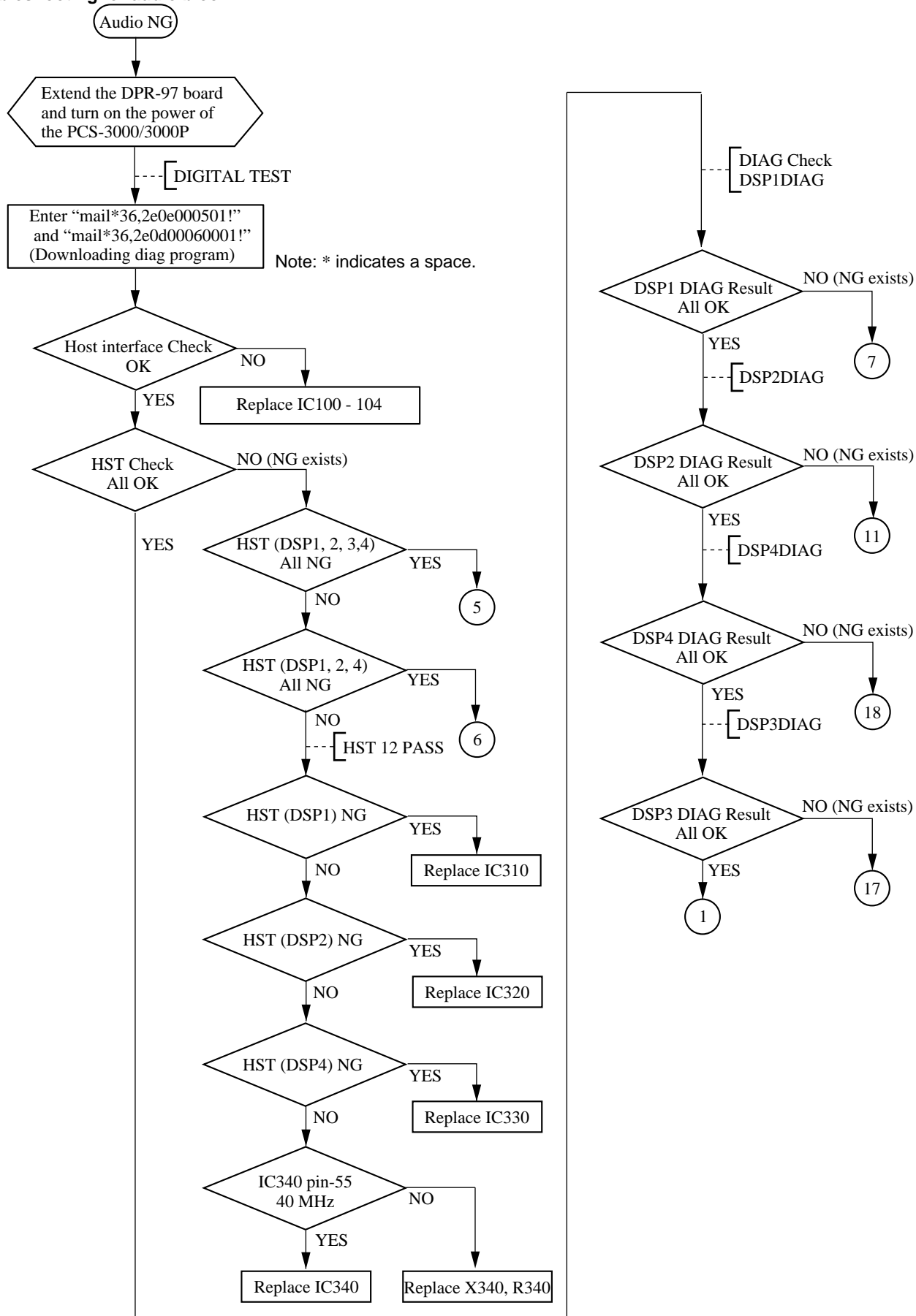


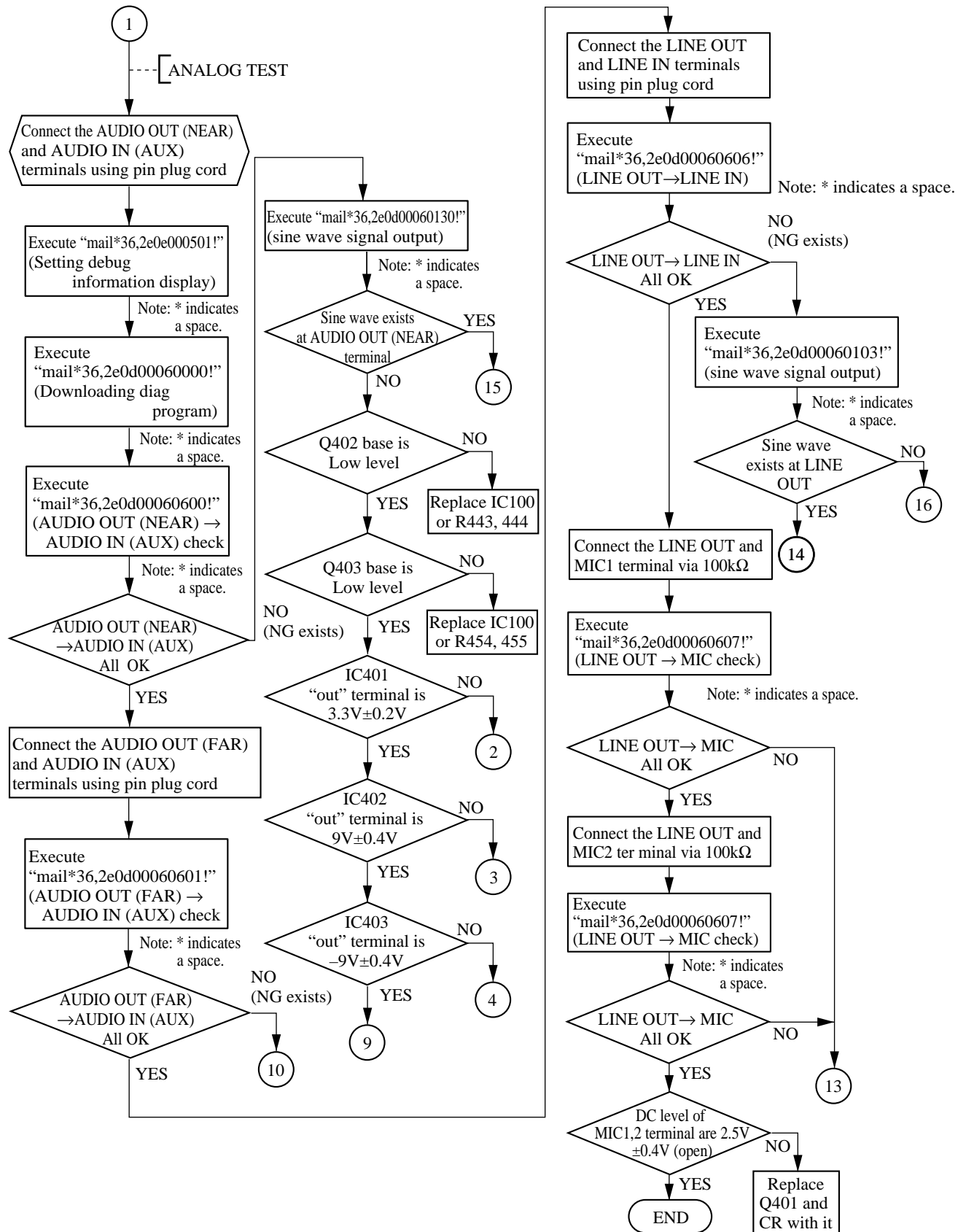


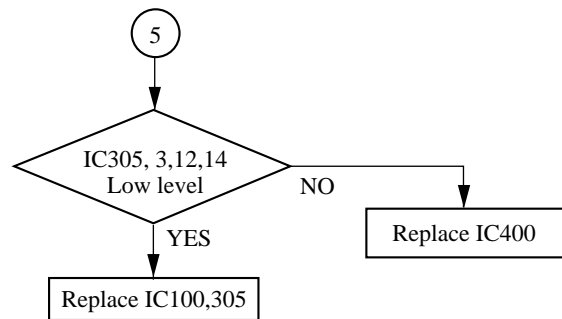
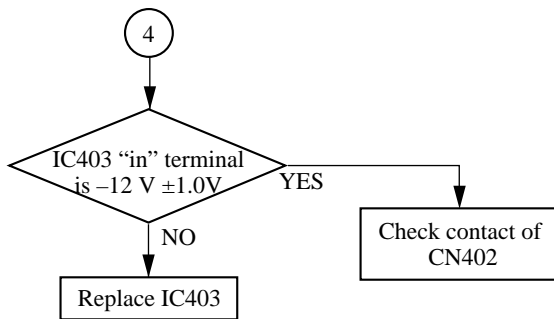
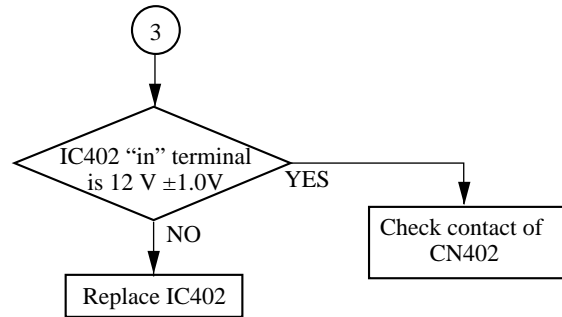
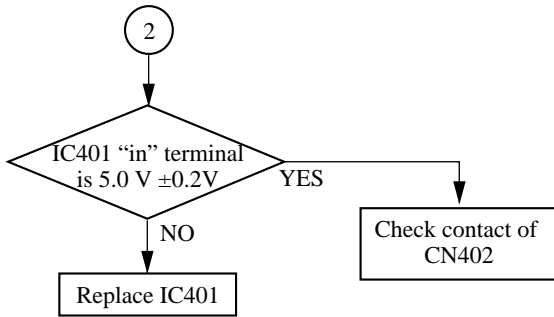




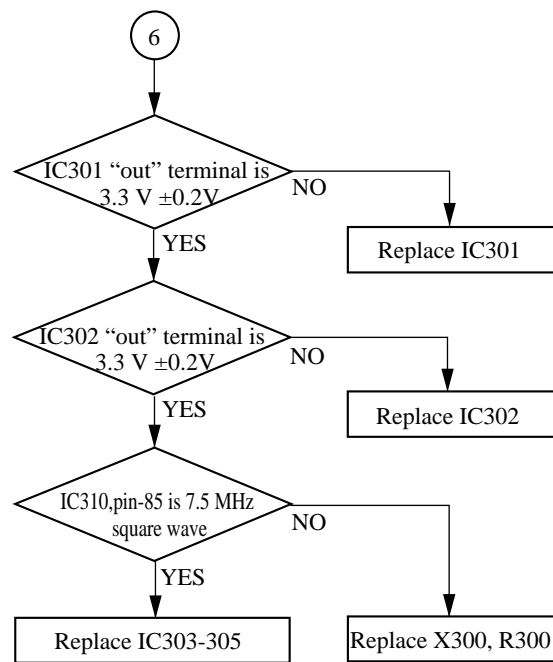


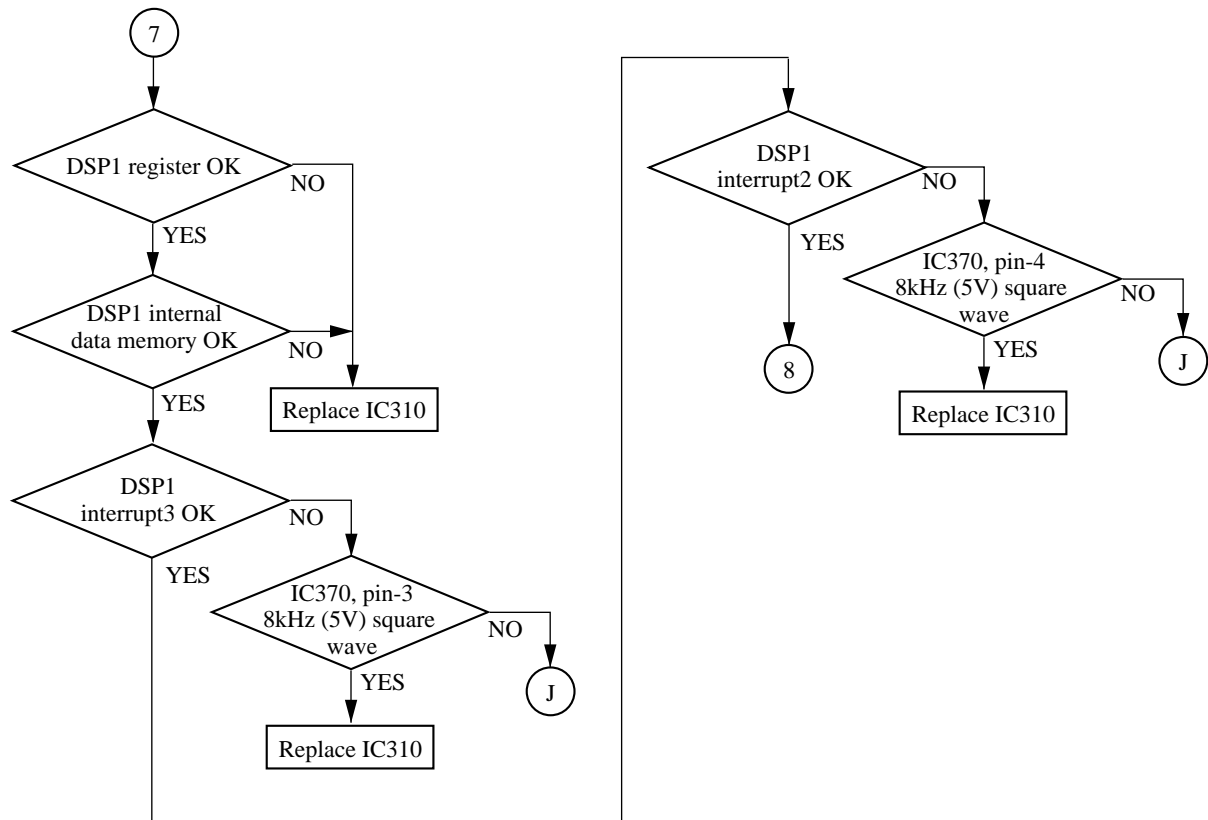
**Troubleshooting for audio block**

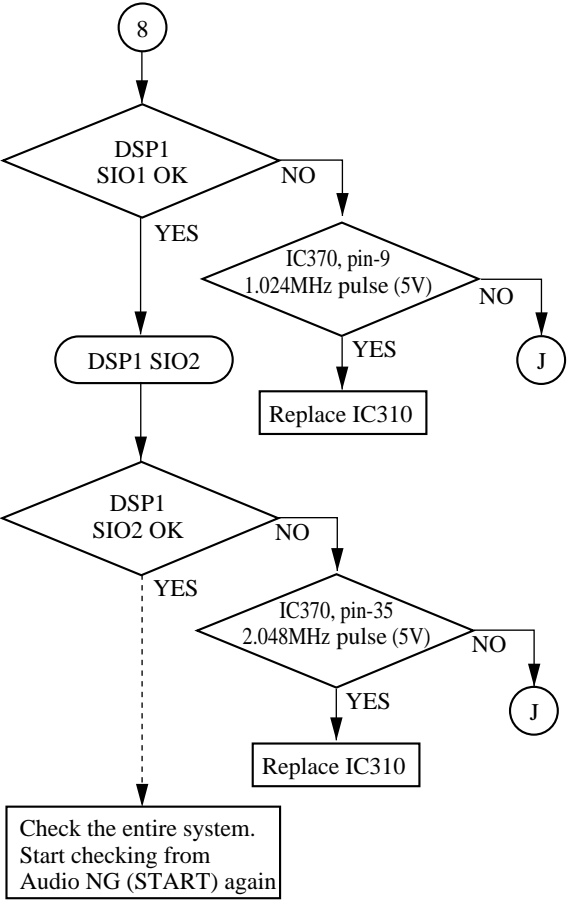


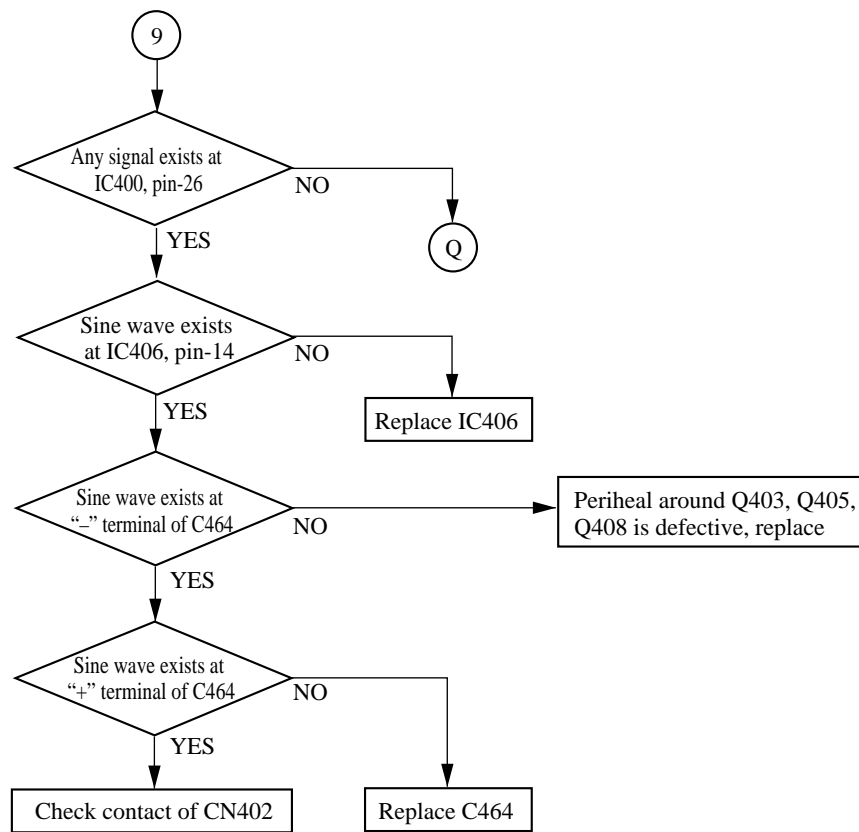


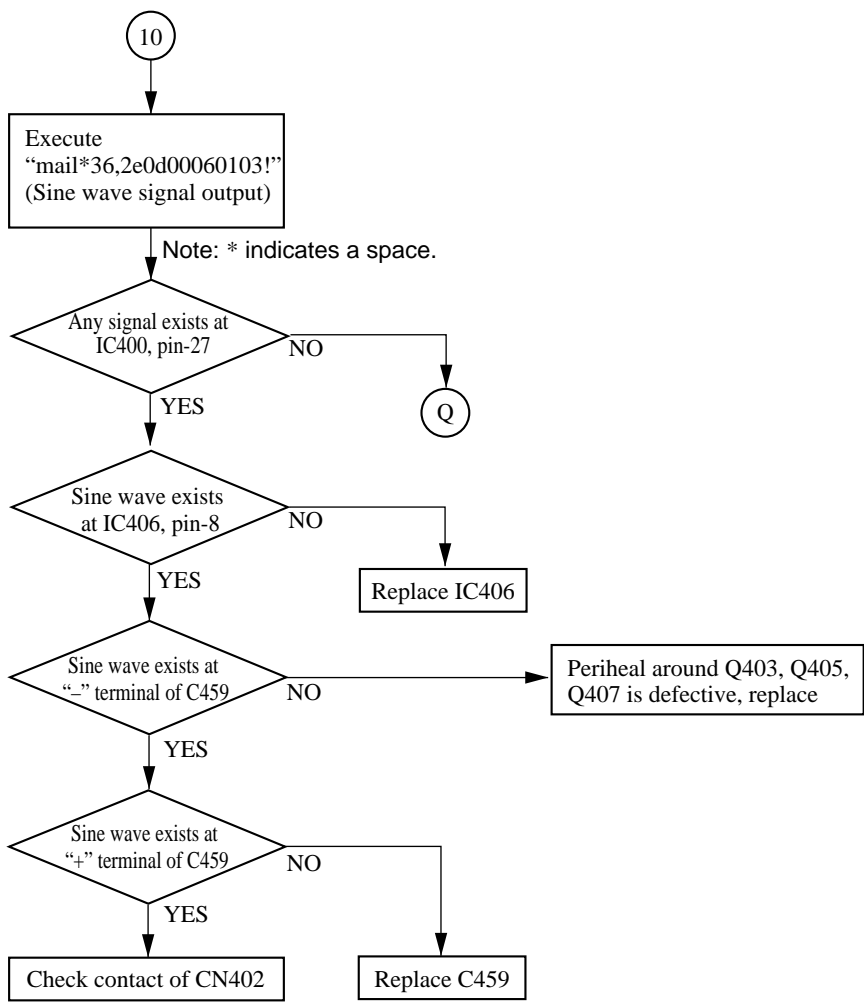


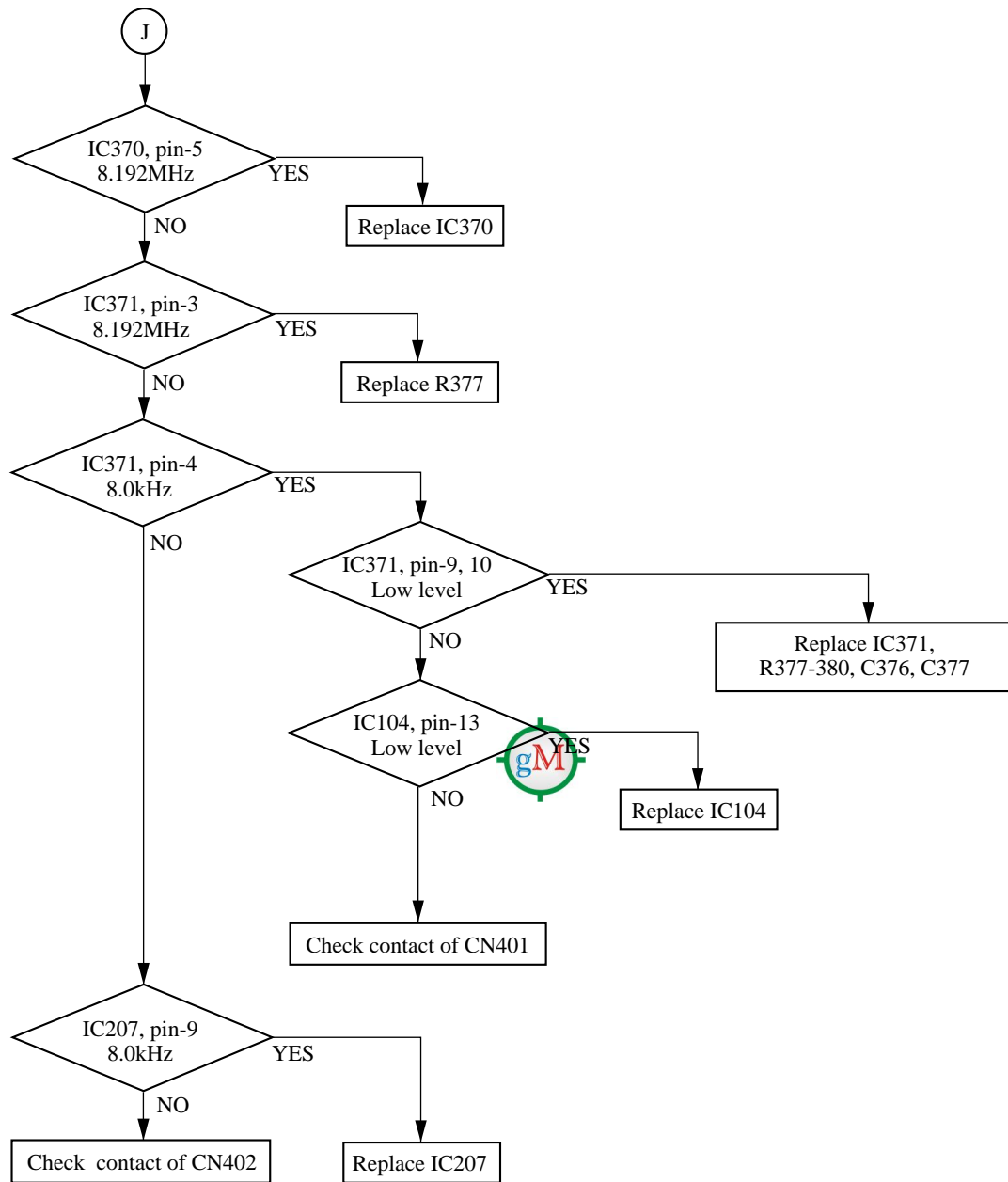


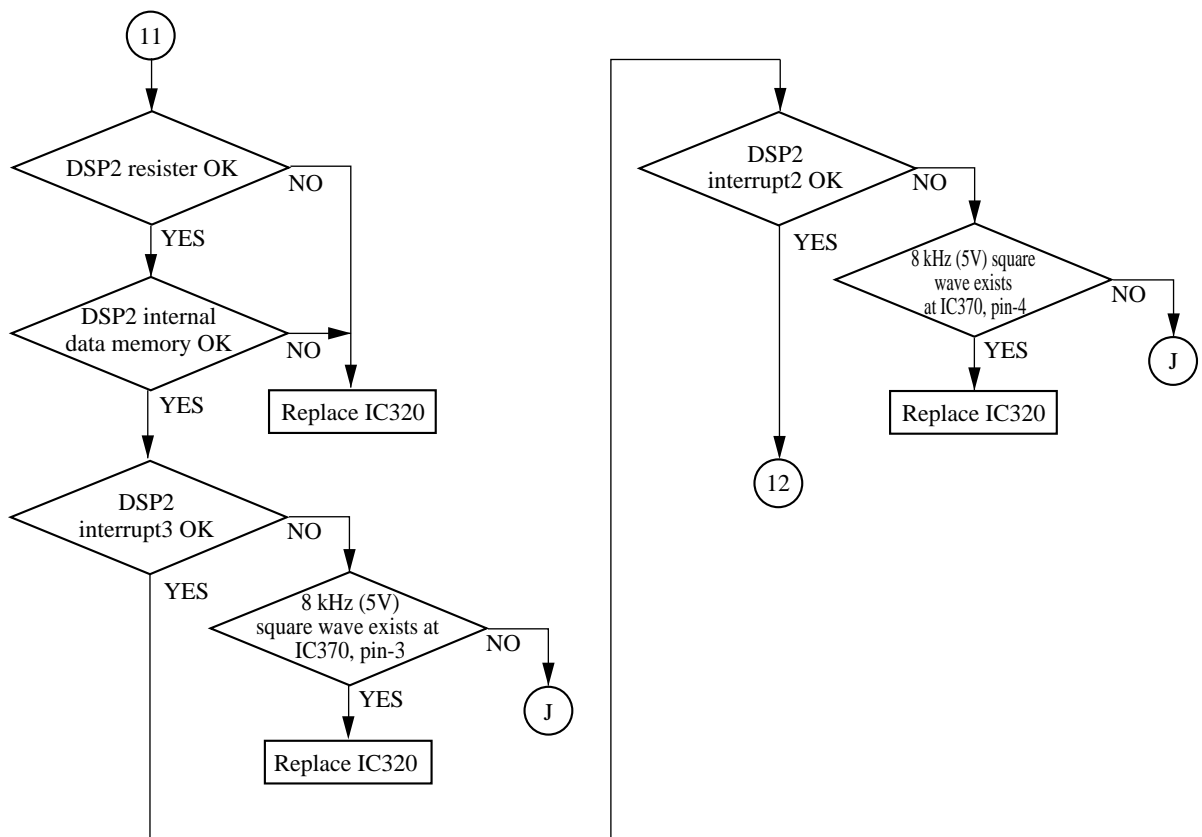


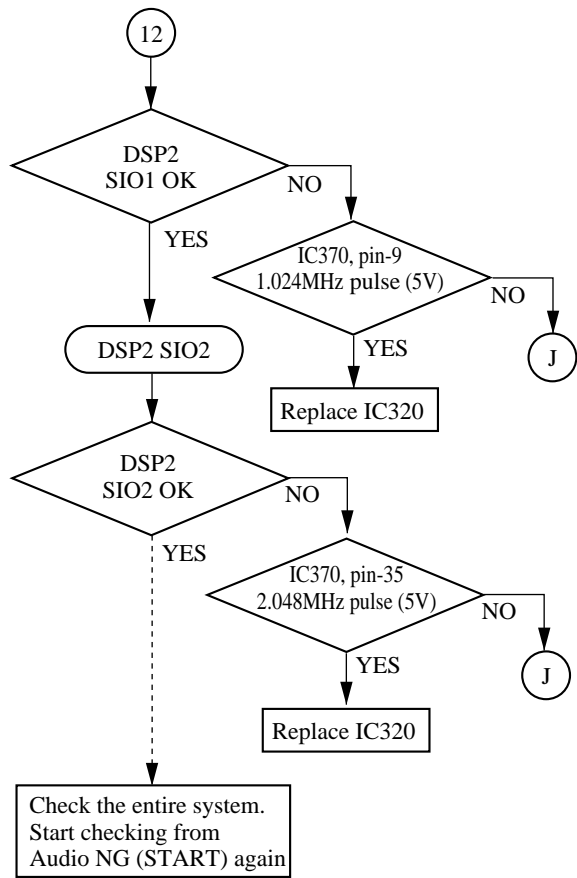




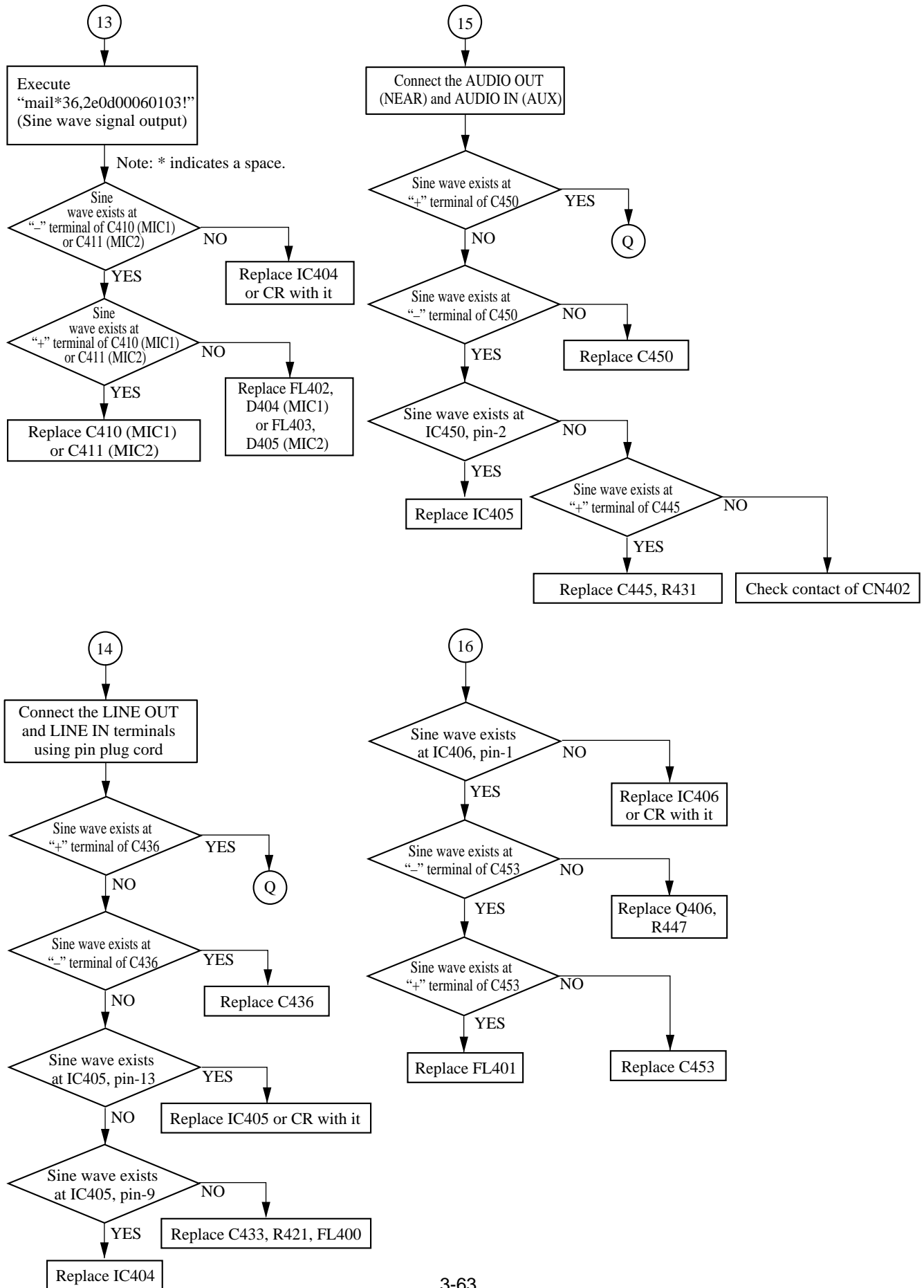


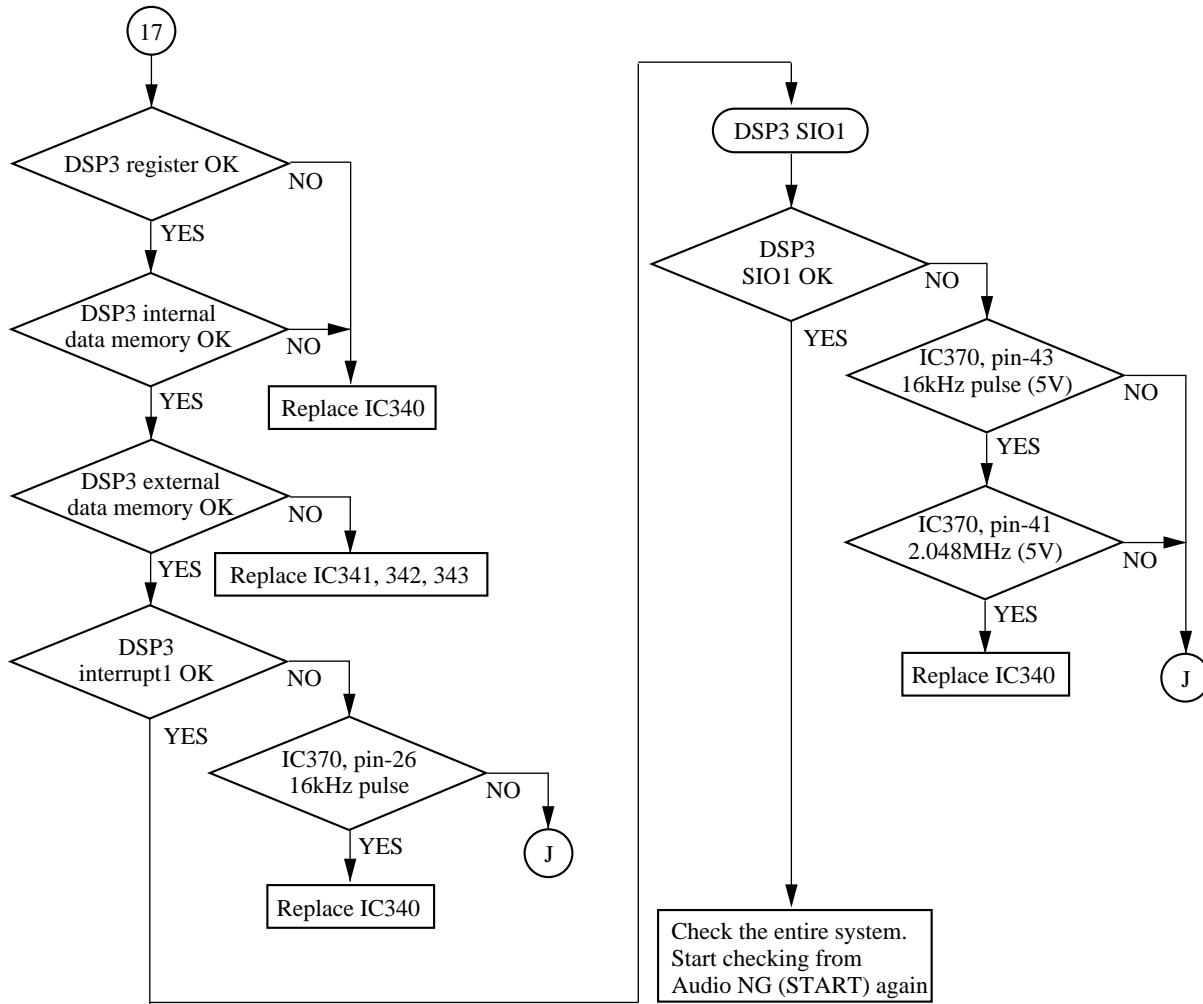


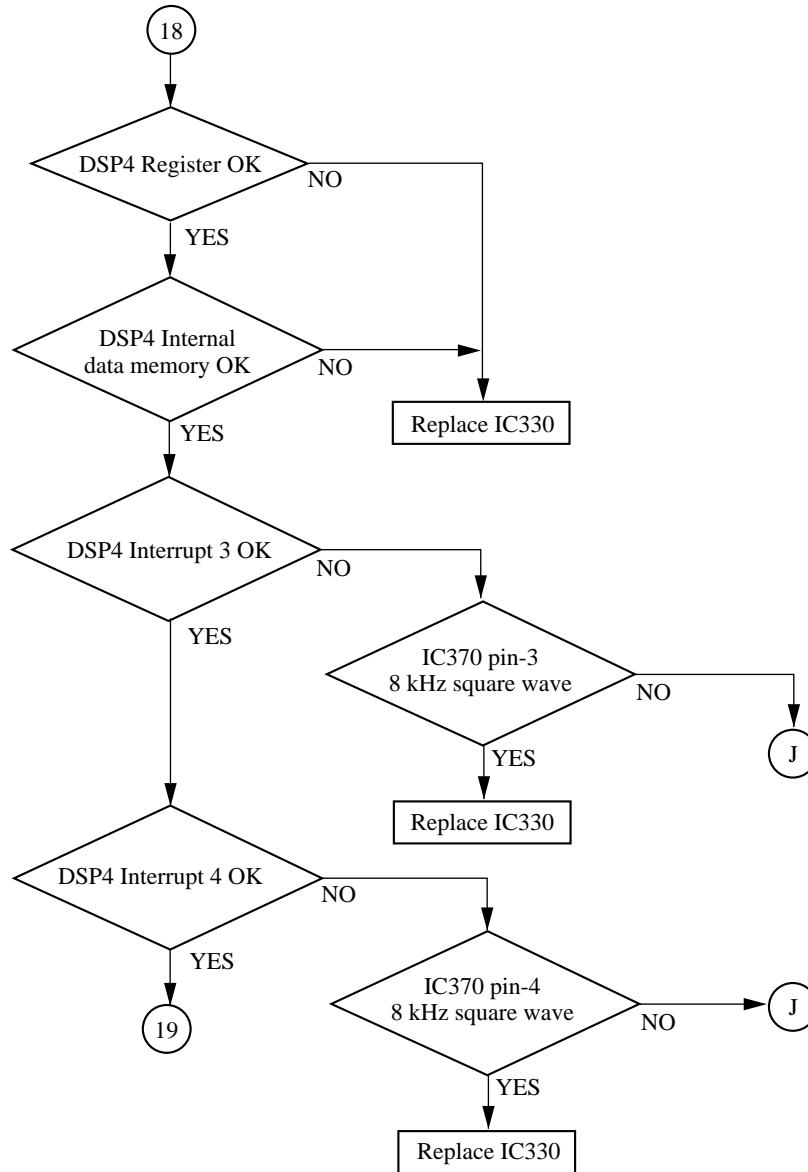


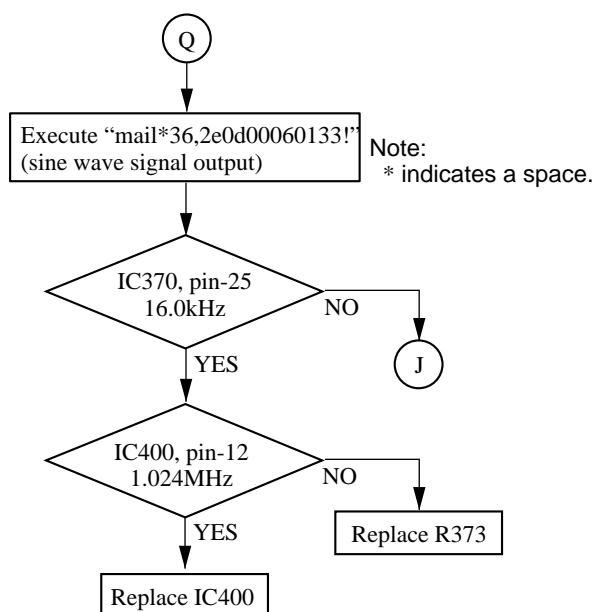
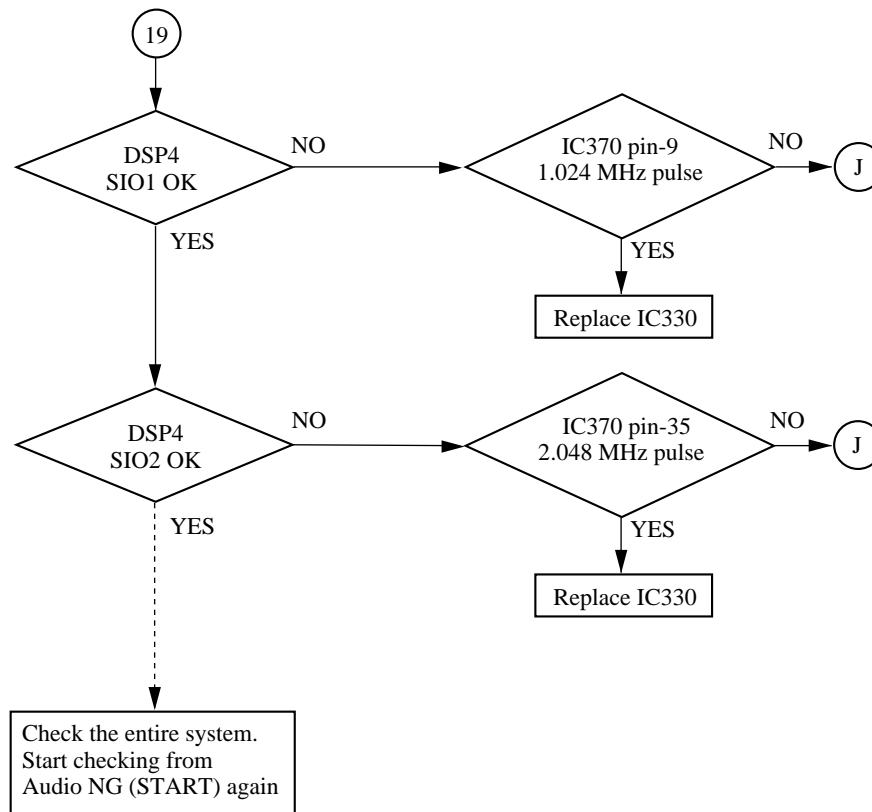












[illegible]

## 2 (PCS-3000/3000P-J, E)

(DPR-97A BOARD(PCS-P300/P300P))

Ref. No. or Q'ty	Part No.	SP Description
C342	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C343	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C344	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C345	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C346	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C347	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C348	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C350	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C351	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C352	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C353	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C354	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
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C362	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C363	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C364	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C365	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C366	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C367	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C368	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C370	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C371	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C372	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C373	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C374	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C375	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C376	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C377	1-107-826-91	s CERAMIC 0.1uF 10% 16V
C390	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C391	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C392	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C393	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C394	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C395	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C396	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C397	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C400	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C401	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C402	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C403	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C404	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C406	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C410	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C411	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C412	1-162-963-11	s CERAMIC, CHIP 680PF 10% 50V
C413	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C414	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C415	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C416	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C417	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C418	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C419	1-162-963-11	s CERAMIC, CHIP 680PF 10% 50V
C420	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V

(DPR-97A BOARD(PCS-P300/P300P))

Ref. No. or Q'ty	Part No.	SP Description
C421	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C422	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C423	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C424	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C425	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C426	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C427	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C428	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C429	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C430	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C431	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C433	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C434	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C435	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C436	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C437	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C438	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C439	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C440	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C441	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C442	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C443	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C444	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C445	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C446	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C447	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C448	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C449	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C450	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C451	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C452	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C453	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C454	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C455	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C456	1-126-398-11	s ELECT, CHIP 4.7uF 20% 35V
C457	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C458	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C459	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C460	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C461	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C462	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C463	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C464	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C465	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C466	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C467	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
CN401	1-580-195-21	s CONNECTOR, PHEC 100P, FEMALE
CN402	1-580-195-21	s CONNECTOR, PHEC 100P, FEMALE
CN403	1-562-941-11	s JACK, PIN 1P, FEMALE
CN404	1-562-941-11	s JACK, PIN 1P, FEMALE
CN405	1-566-740-11	s JACK
CN406	1-566-740-11	s JACK
D340	8-719-989-22	s DIODE CL-150R-CD-T
D341	8-719-989-22	s DIODE CL-150R-CD-T
D342	8-719-989-22	s DIODE CL-150R-CD-T
D401	8-719-800-76	s DIODE 1SS226
D402	8-719-800-76	s DIODE 1SS226

## (DPR-97A BOARD(PCS-P300/P300P))

Ref. No. or Q'ty	Part No.	SP Description
D403	8-719-800-76	s DIODE 1SS226
D404	8-719-158-35	s DIODE RD9.1SB-T1
D405	8-719-158-35	s DIODE RD9.1SB-T1
D406	8-719-158-35	s DIODE RD9.1SB-T1
D407	8-719-158-35	s DIODE RD9.1SB-T1
D408	8-719-158-35	s DIODE RD9.1SB-T1
D409	8-719-158-35	s DIODE RD9.1SB-T1
D410	8-719-158-35	s DIODE RD9.1SB-T1
D411	8-719-158-35	s DIODE RD9.1SB-T1
D412	8-719-158-35	s DIODE RD9.1SB-T1
D413	8-719-158-35	s DIODE RD9.1SB-T1
D414	8-719-158-35	s DIODE RD9.1SB-T1
D415	8-719-158-35	s DIODE RD9.1SB-T1
E101	1-535-757-11	s CHIP, CHECKER
E201	1-535-757-11	s CHIP, CHECKER
E251	1-535-757-11	s CHIP, CHECKER
E301	1-535-757-11	s CHIP, CHECKER
E401	1-535-757-11	s CHIP, CHECKER
E402	1-535-757-11	s CHIP, CHECKER
FL400	1-239-825-31	s FILTER, CHIP EMI
FL401	1-239-825-31	s FILTER, CHIP EMI
FL402	1-239-825-31	s FILTER, CHIP EMI
FL403	1-239-825-31	s FILTER, CHIP EMI
IC100	8-759-562-17	s IC ISPLSI1032E-70LT-RAP00V1
IC101	8-759-452-05	s IC PI74FCT162Q245ATAK
IC102	8-759-272-21	s IC TC74VHCT541F(EL)
IC103	8-759-451-89	s IC IDT74FCT157ATQ-TL
IC104	8-759-272-21	s IC TC74VHCT541F(EL)
IC200	8-759-543-07	s IC 8X83105AKAB
IC201	8-759-540-94	s IC IDT71024S12Y-TL
IC202	8-759-540-94	s IC IDT71024S12Y-TL
IC203	8-759-540-94	s IC IDT71024S12Y-TL
IC204	8-759-540-94	s IC IDT71024S12Y-TL
IC205	8-759-538-54	s IC KM416C1200CT-6T
IC206	8-759-538-54	s IC KM416C1200CT-6T
IC207	8-759-927-18	s IC SN74HCT541NS
IC208	8-759-541-40	s IC IDT71256SA12Y-TL
IC209	8-759-541-40	s IC IDT71256SA12Y-TL
IC210	8-759-541-40	s IC IDT71256SA12Y-TL
IC211	8-759-541-40	s IC IDT71256SA12Y-TL
IC251	8-759-540-67	s IC UPD65804GC-095-7EA
IC252	8-759-540-67	s IC UPD65804GC-095-7EA
IC253	8-759-167-20	s IC UPD42280GU-30-E2
IC254	8-759-167-20	s IC UPD42280GU-30-E2
IC255	8-759-167-20	s IC UPD42280GU-30-E2
IC256	8-759-186-54	s IC TC74VHC164F
IC257	8-759-531-92	s IC TC7WH04FU(Te12R)
IC258	8-759-553-98	s IC PALCE16V8H-15SC/4/T-RAP08V1
IC259	8-759-926-05	s IC SN74HC125ANS
IC260	8-759-174-16	s IC TC74VHC244F(EL)
IC261	8-759-174-16	s IC TC74VHC244F(EL)
IC262	8-759-186-39	s IC TC74VHC74F(EL)
IC263	8-759-186-56	s IC TC74VHC174F(EL)
IC264	8-759-531-92	s IC TC7WH04FU(Te12R)
IC265	8-759-099-38	s IC SN74HCT374ANS-E05
IC266	8-759-186-13	s IC TC74VHCT374F(EL)
IC267	8-759-553-98	s IC PALCE16V8H-15SC/4/T-RAP08V1
IC268	8-759-099-38	s IC SN74HCT374ANS-E05

## (DPR-97A BOARD(PCS-P300/P300P))

Ref. No. or Q'ty	Part No.	SP Description
IC269	8-759-186-13	s IC TC74VHCT374F(EL)
IC301	8-759-426-95	s IC L88MS33T-TL
IC302	8-759-426-95	s IC L88MS33T-TL
IC303	8-759-392-79	s IC SN74LVC245APW-E05
IC304	8-759-451-76	s IC SN74LVC244APW-E05
IC305	8-759-451-76	s IC SN74LVC244APW-E05
IC310	8-759-543-90	s IC UPD77019GC-015-9EU
IC320	8-759-543-90	s IC UPD77019GC-015-9EU
IC330	8-759-543-90	s IC UPD77019GC-015-9EU
IC340	8-759-561-83	s IC XC56303PV80
IC341	8-759-529-45	s IC IDT71V256SA15PZ-TL
IC342	8-759-529-45	s IC IDT71V256SA15PZ-TL
IC343	8-759-529-45	s IC IDT71V256SA15PZ-TL
IC344	8-759-426-95	s IC L88MS33T-TL
IC370	8-759-562-16	s IC ISPLSI2032LV-60LT44-RAP07V1
IC371	8-759-295-09	s IC TLC2932IPW
IC400	8-759-471-38	s IC AK4520A-VF-E2
IC401	8-759-426-95	s IC L88MS33T-TL
IC402	8-759-372-29	s IC HA178L09UA-TL
IC403	8-759-372-30	s IC HA179L09U-TL
IC404	8-759-553-67	s IC UPC4574G2-E2
IC405	8-759-553-67	s IC UPC4574G2-E2
IC406	8-759-553-67	s IC UPC4574G2-E2
JC101	1-216-864-11	s METAL, CHIP 0 5% 1/16W
JC250	1-216-864-11	s METAL, CHIP 0 5% 1/16W
JC251	1-216-864-11	s METAL, CHIP 0 5% 1/16W
JC253	1-216-864-11	s METAL, CHIP 0 5% 1/16W
JC371	1-216-864-11	s METAL, CHIP 0 5% 1/16W
JC372	1-216-864-11	s METAL, CHIP 0 5% 1/16W
JC400	1-216-864-11	s METAL, CHIP 0 5% 1/16W
Q100	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q401	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q402	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q403	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q404	8-729-216-22	s TRANSISTOR 2SA1162
Q405	8-729-216-22	s TRANSISTOR 2SA1162
Q406	8-729-202-38	s TRANSISTOR 2SC3326N
Q407	8-729-202-38	s TRANSISTOR 2SC3326N
Q408	8-729-202-38	s TRANSISTOR 2SC3326N
R100	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R101	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R102	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R103	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R104	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R105	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R106	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R107	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R108	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R109	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R110	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R200	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R201	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R202	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R203	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R204	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R205	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R250	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R251	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

#### 4 (PCS-3000/3000P-J, E)

(DPR-97A BOARD(PCS-P300/P300P))

Ref. No. or Q'ty	Part No.	SP Description
R252	1-216-806-11	s METAL, CHIP 56 5% 1/16W
R253	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R254	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R255	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R256	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R257	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R258	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R259	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R263	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R265	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R266	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R267	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R268	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R269	1-216-806-11	s METAL, CHIP 56 5% 1/16W
R270	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R271	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R272	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R273	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R274	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R275	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R276	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R278	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R280	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R281	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R283	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R284	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R300	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R301	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R302	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R311	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R321	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R331	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R340	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R341	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R342	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R343	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R344	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R345	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R346	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R347	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R348	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R349	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R350	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R351	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R352	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R370	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R371	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R372	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R373	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R374	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R375	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R376	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R377	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R378	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R379	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R380	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R401	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R402	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R403	1-216-817-11	s METAL, CHIP 470 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R404	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R405	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R406	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R407	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R408	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R409	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R410	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R411	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R412	1-216-842-11	s METAL, CHIP 56K 5% 1/16W
R413	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R414	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R415	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R416	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R417	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R418	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R419	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R420	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R421	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R422	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R423	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R424	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R425	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R426	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R427	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R428	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R429	1-216-793-11	s METAL, CHIP 4.7 5% 1/16W
R430	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R431	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R432	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R433	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R434	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R435	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R436	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R437	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R438	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R439	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R440	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R441	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R442	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R443	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R444	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R445	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R446	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R447	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R448	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R449	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R450	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R451	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R452	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R453	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R454	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R455	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R456	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R457	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R458	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R459	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R460	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R461	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R462	1-216-845-11	s METAL, CHIP 100K 5% 1/16W

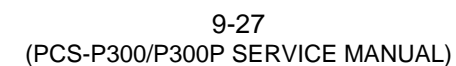




(DPR-97A BOARD(PCS-P300/P300P))

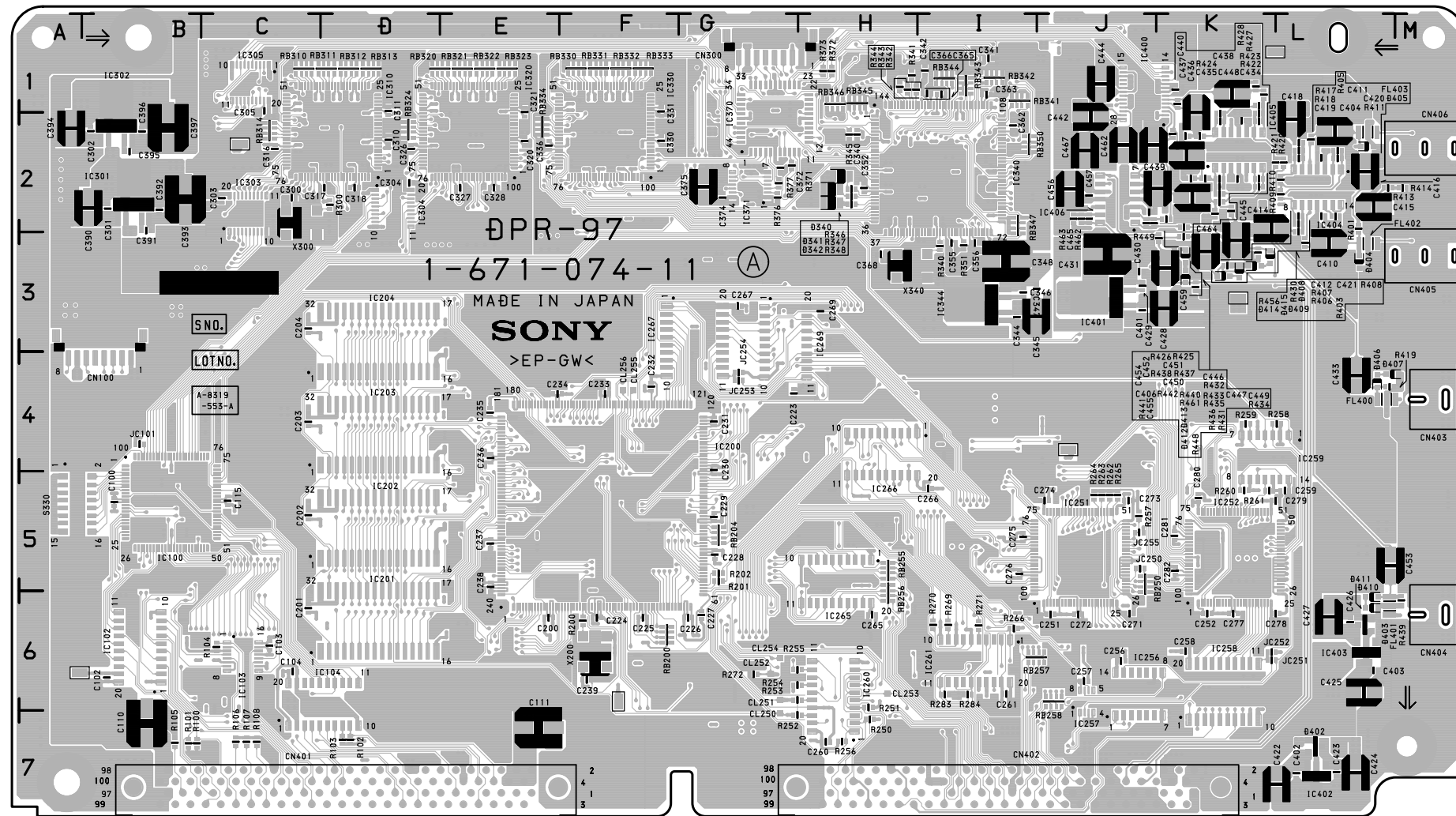
Ref. No. or Q'ty	Part No.	SP Description
R463	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R464	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R465	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R466	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
RB100	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB101	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB102	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB103	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB200	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB201	1-239-621-11	s RESISTOR BLOCK, CHIP 22x4
RB202	1-239-621-11	s RESISTOR BLOCK, CHIP 22x4
RB203	1-239-621-11	s RESISTOR BLOCK, CHIP 22x4
RB204	1-239-621-11	s RESISTOR BLOCK, CHIP 22x4
RB205	1-239-430-11	s RESISTOR BLOCK, CHIP 4.7Kx4
RB250	1-239-430-11	s RESISTOR BLOCK, CHIP 4.7Kx4
RB251	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB252	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB253	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB254	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB255	1-239-412-11	s RESISTOR BLOCK, CHIP 100x4
RB256	1-239-412-11	s RESISTOR BLOCK, CHIP 100x4
RB257	1-239-412-11	s RESISTOR BLOCK, CHIP 100x4
RB258	1-239-412-11	s RESISTOR BLOCK, CHIP 100x4
RB300	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB301	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB310	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB311	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB312	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB313	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB314	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB320	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB321	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB322	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB323	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB324	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB330	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB331	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB332	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB333	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB334	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB340	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB341	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB342	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB343	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB344	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB345	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB346	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB347	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB348	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB349	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
RB350	1-236-908-11	s RESISTOR BLOCK, CHIP 10Kx4
S330	1-692-271-31	s SWITCH, SLIDE
X200	1-781-075-11	s CRYSTAL 36.000MHz
X300	1-781-076-11	s CRYSTAL 7.500MHz



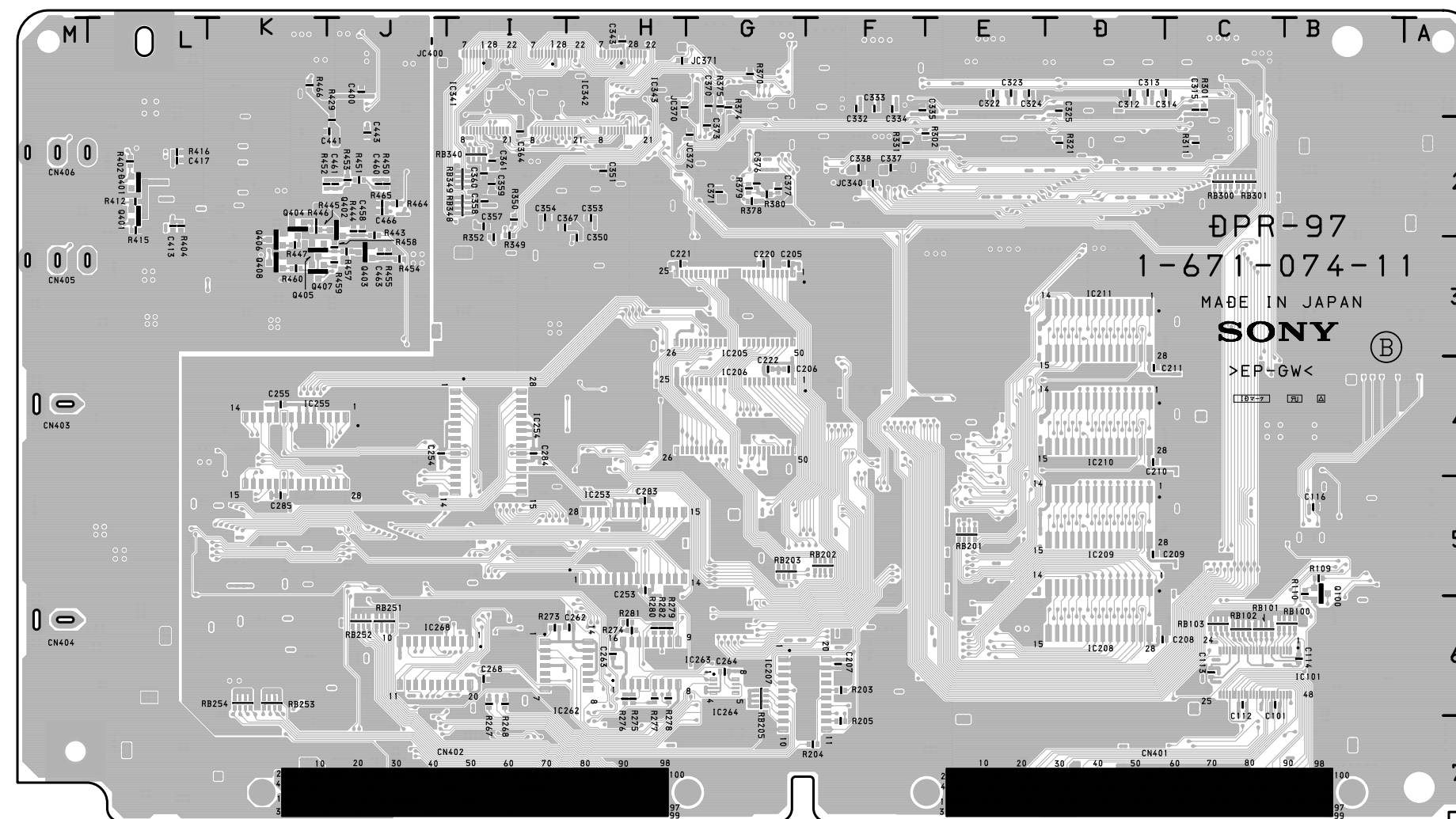


H

PCS-P300 (J) : SN 30001 and higher  
 PCS-P300 (UC) : SN 13001 and higher  
 PCS-P300P (CE): SN 43001 and higher



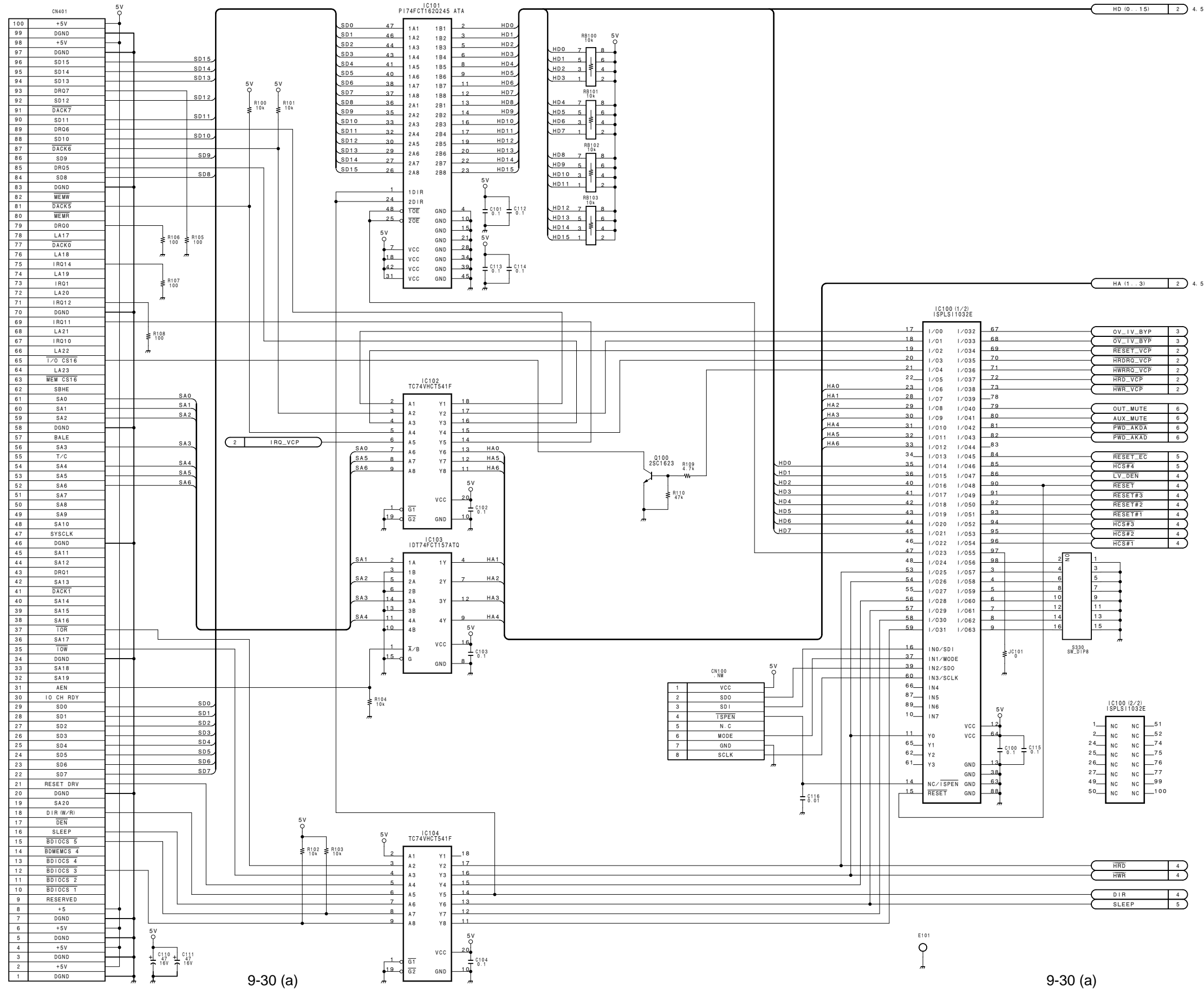
**DPR-97A -A SIDE-**  
SUFFIX: -11



**DPR-97A -B SIDE-**  
SUFFIX: -11

## VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

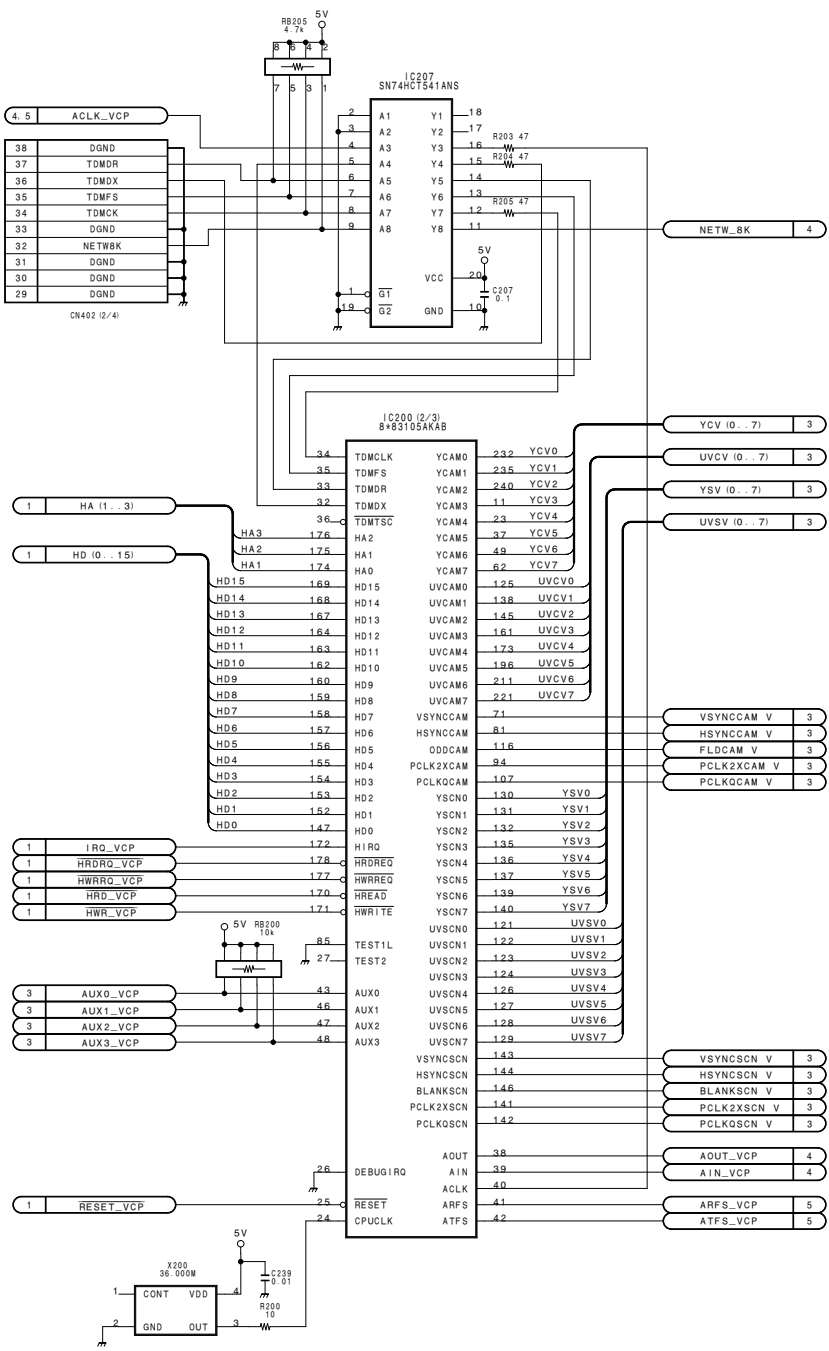
PCS-P300 (J) ;	S/N 30001 and higher
PCS-P300 (UC) ;	S/N 13001 and higher
PCS-P300P (CE) ;	S/N 43001 and higher



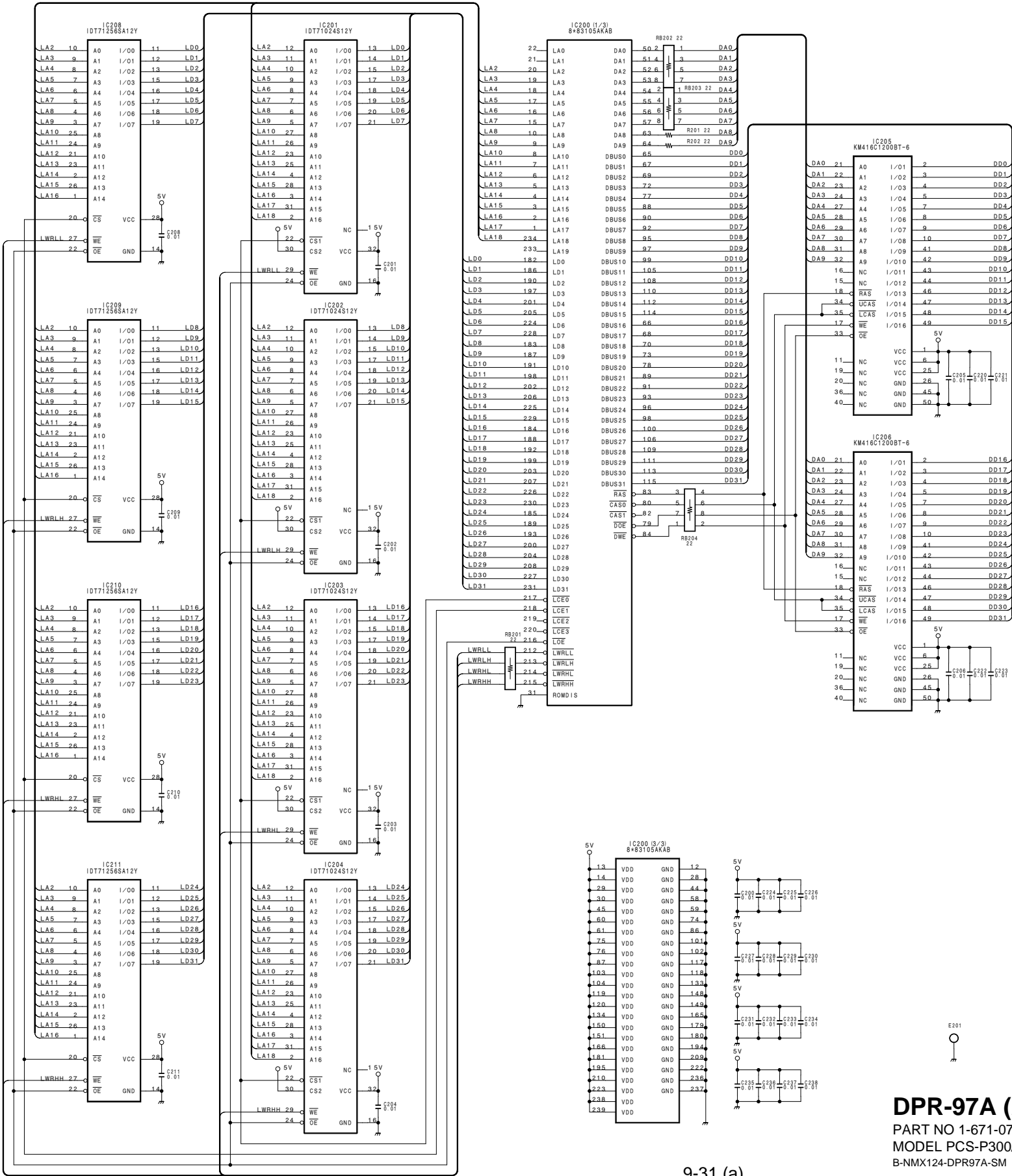
**DPR-97A (1/6)**  
PART NO 1-671-074-11  
MODEL PCS-P300/P300P  
B-NMX124-DPR97A-SM

VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

PCS-P300 (J) ; S/N 30001 and higher  
PCS-P300 (UC) ; S/N 13001 and higher  
PCS-P300P (CE) ; S/N 43001 and higher



9-31 (a)  
(PCS-P300/P300P SERVICE MANUAL)

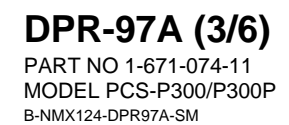


9-31 (a)  
(PCS-P300/P300P SERVICE MANUAL)

DPR-97A (2/6)  
PART NO 1-671-074-11  
MODEL PCS-P300/P300P  
B-NMX124-DPR97A-SM

## VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

PCS-P300 (J) ;	S/N 30001 and higher
PCS-P300 (UC) ;	S/N 13001 and higher
PCS-P300P (CE) ;	S/N 43001 and higher



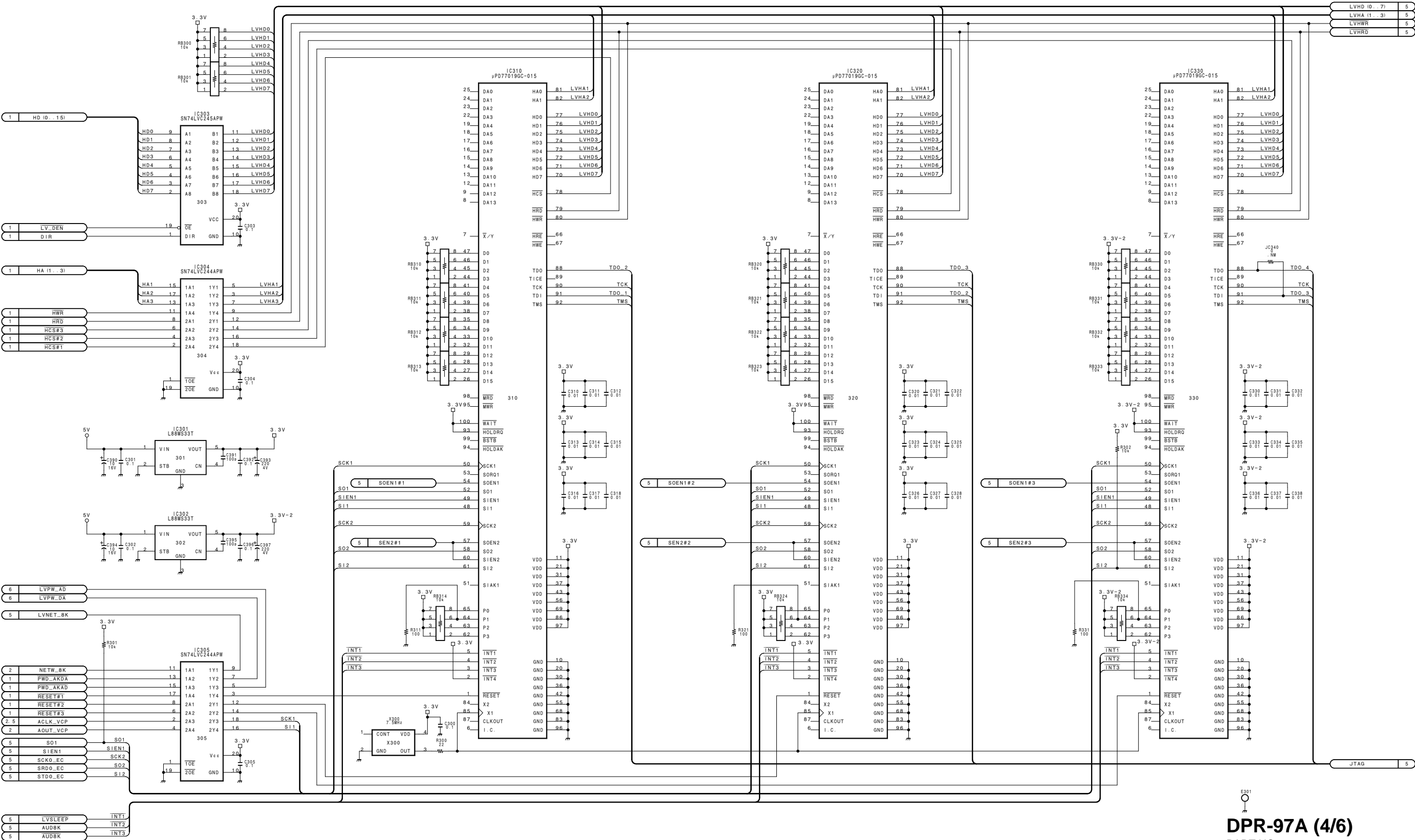
9-32 (a)  
(PCS-P300/P300P SERVICE MANUAL)

H



VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

PCS-P300 (J) ; S/N 30001 and higher  
PCS-P300 (UC) ; S/N 13001 and higher  
PCS-P300P (CE) ; S/N 43001 and higher



9-33 (a)  
(PCS-P300/P300P SERVICE MANUAL)

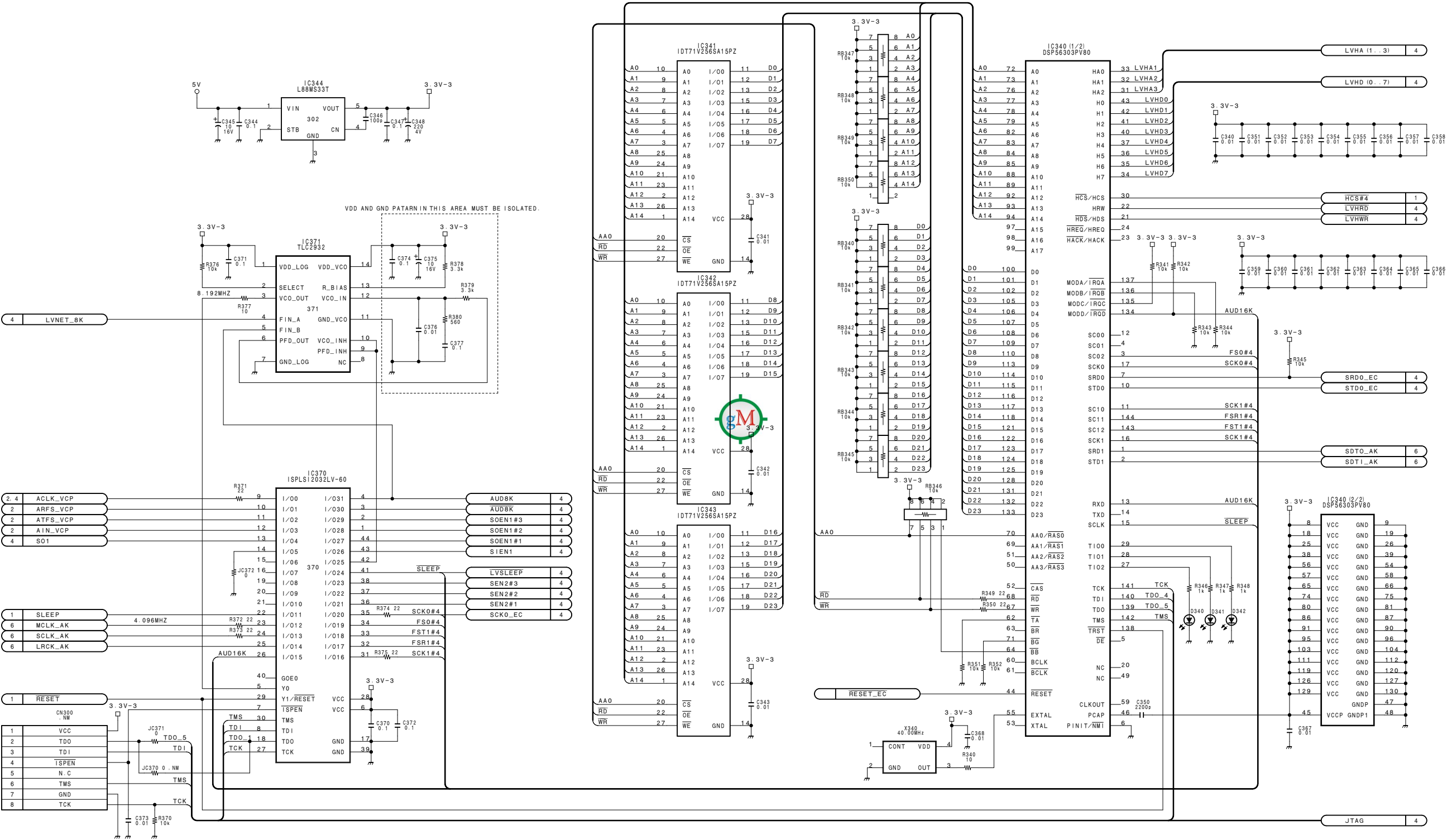
9-33 (a)  
(PCS-P300/P300P SERVICE MANUAL)

**DPR-97A (4/6)**  
PART NO 1-671-074-11  
MODEL PCS-P300/P300P  
B-NMX124-DPR97A-SM

14 (PCS-3000/3000P-J, E)

VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

PCS-P300 (J) ; S/N 30001 and higher  
PCS-P300 (UC) ; S/N 13001 and higher  
PCS-P300P (CE) ; S/N 43001 and higher



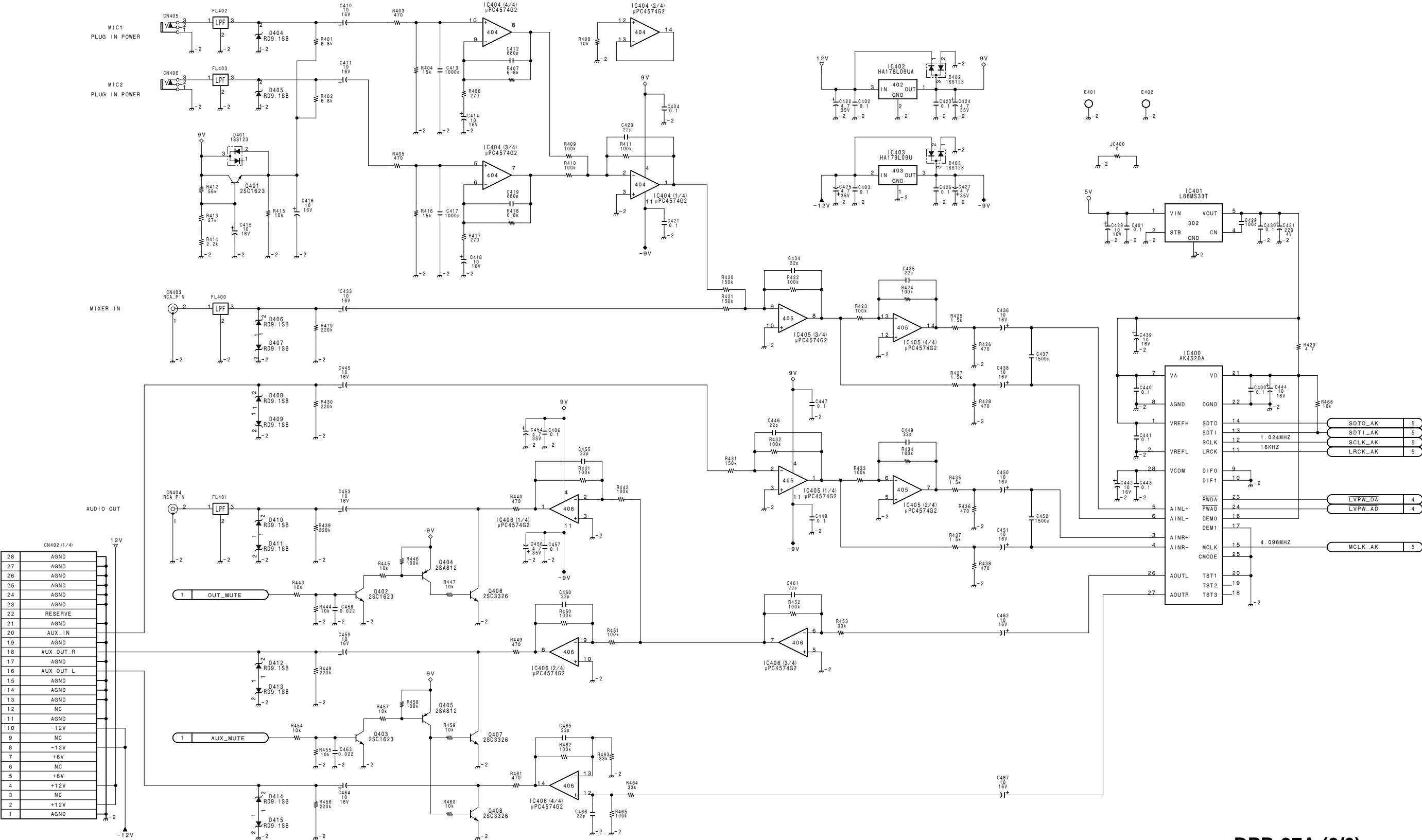
9-34 (a)  
(PCS-P300/P300P SERVICE MANUAL)

9-34 (a)  
(PCS-P300/P300P SERVICE MANUAL)

**DPR-97A (5/6)**  
PART NO 1-671-074-11  
MODEL PCS-P300/P300P  
B-NMX124-DPR97A-SM

VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

PCS-P300 (J) ; S/N 30001 and higher  
PCS-P300 (UC) ; S/N 13001 and higher  
PCS-P300P (CE) ; S/N 43001 and higher



9-35 (a)  
(PCS-P300/P300P SERVICE MANUAL)

9-35 (a)  
(PCS-P300/P300P SERVICE MANUAL)

**DPR-97A (6/6)**  
PART NO 1-671-074-11  
MODEL PCS-P300/P300P  
B-NMX124-DPR97A-SM

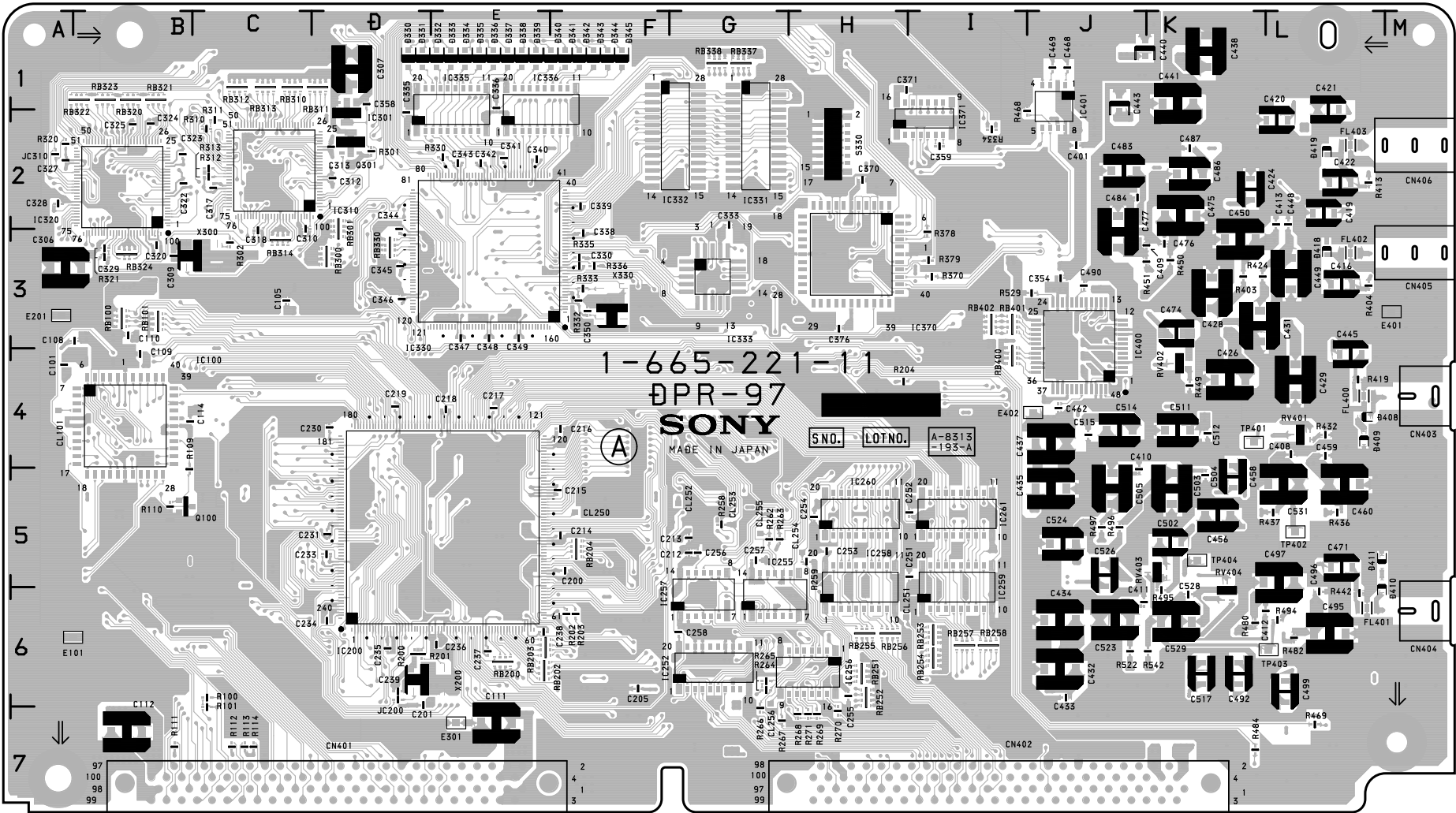
16 (PCS-3000/3000P-J, E)

DPR-97 : VIDEO IMAGE AUDIO CODEC AND ECHO CANCELLER

DPR-97 (1-665-221-11)

\*:B SDIE

CL101	A4	IC300	*B3	RB336	*F1
CL250	F5	IC301	D2	RB337	G1
CL251	H6	IC302	*D3	RB338	G1
CL252	G5	IC303	*D2	RB339	*E1
CL253	G5	IC304	*E2	RB340	*F1
CL254	H5	IC305	*E2	RB341	*E3
CL255	G5	IC310	D2	RB400	I4
CL256	G7	IC311	*D2	RB401	I3
		IC320	A2	RB402	I3
CN401	D7	IC321	*B2		
CN402	I7	IC330	D3	RV401	L4
CN403	M4	IC331	G2	RV402	K4
CN404	M6	IC332	G2	RV403	J5
CN405	M3	IC333	G3	RV404	K5
CN406	M2	IC334	*H2		
		IC335	E1	S330	H2
D330	D1	IC336	E1		
D331	D1	IC337	*G3	TP401	K4
D332	E1	IC331	G2	TP402	L5
D333	E1	IC370	I3	TP403	L6
D334	E1	IC371	I2	TP404	K5
D335	E1	IC372	*I3		
D336	E1	IC373	*F2	X200	E6
D337	E1	IC400	J3	X300	C3
D338	E1	IC401	J1	X330	F3
D339	E1	IC402	*K1		
D340	F1	IC403	*K2		
D341	F1	IC404	*I6		
D342	F1	IC405	*I5		
D343	F1	IC406	*K3		
D344	F1	IC407	*L3		
D345	F1	IC408	*L5		
D401	L2	IC409	*J2		
D402	*L6	IC410	*J4		
D403	*L6	IC411	*J6		
D404	*K3	IC412	*L6		
D405	*K3	IC413	*L3		
D406	*J6				
D407	*J4	L401	*J1		
D408	L4				
D409	L4	Q100	C5		
D410	M6	Q300	*B3		
D411	L5	Q301	D2		
D412	*K6	Q402	*L1		
D413	*K6	Q403	*L5		
D414	*K7	Q404	*K6		
D415	*L7	Q405	*L6		
D416	*K7	Q406	*L6		
D417	*K6	Q407	*L6		
D418	L3	Q408	*L7		
D419	L2	Q409	*L7		
E101	A6	RB100	B3		
E201	A3	RB101	B3		
E301	E7	RB102	*B3		
E401	M3	RB103	*C4		
E402	I4	RB200	E6		
		RB201	*D5		
FL400	L4	RB202	F6		
FL401	L6	RB203	E6		
FL402	L3	RB204	F5		
FL403	L2	RB205	*I4		
		RB250	*G7		
IC100	C4	RB251	H6		
IC101	*B4	RB252	H6		
IC102	*B6	RB253	I6		
IC103	*B5	RB254	I6		
IC104	*C5	RB255	H6		
IC105	*C3	RB256	H6		
IC106	*C5	RB257	I6		
IC200	D6	RB258	I6		
IC201	*D7	RB300	D3		
IC202	*D4	RB301	D3		
IC203	*E4	RB310	C1		
IC204	*E6	RB311	D1		
IC205	*F4	RB312	C1		
IC206	*F6	RB313	C1		
IC207	*I4	RB314	C3		
IC251	*G5	RB320	B2		
IC252	F6	RB321	B1		
IC253	*H6	RB322	B2		
IC254	*I6	RB323	B1		
IC255	G5	RB324	B3		
IC256	H6	RB325	*B2		
IC257	F6	RB330	D3		
IC258	H5	RB331	*H2		
IC259	I5	RB332	*H2		
IC260	H5	RB333	*E1		
IC261	I5	RB334	*E1		
IC262	*G6	RB335	*E1		



DPR-97 -A SIDE-  
PART NO 1-665-221-11  
MODEL PCS-P300/P300P

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